JVC

SERVICE MANUAL

LCD FLAT TELEVISION

LT-26X506/S,
LT-32X506/S

BASIC CHASSIS
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TABLE OF CONTENTS

SPECIFICATION

Items		Contents	
		LT-26X506	LT-32X506
Dimensions (W × H × D)		68.6 cm × 52.7 cm × 30.8 cm (27-1/8" × 20-3/4" × 12-1/4") [Included stand] 68.6 cm × 47.4 cm × 12.2 cm (27-1/8" × 18-3/4" × 4-7/8") [TV only]	82.0 cm × 60.4 cm × 30.8 cm (32-3/8" × 23-7/8" × 12-1/4") [Included stand] 82.0 cm × 55.1 cm × 12.7 cm (32-3/8" × 21-3/4" × 5") [TV only]
Mass		16 kg (35.2 lbs) [Included stand] 12.5 kg (27.5 lbs) [TV only]	20 kg (44.0 lbs) [Included stand] 16.5 kg (36.3 lbs) [TV only]
Power Input		AC120 V, 60 Hz	
Power Consumption		124 W	186 W
TV RF System		CCIR (M)	
Color System		NTSC	
Sound System		BTSC (Multi Channel Sound)	
Teletext System		Closed Caption (T1 - T4 / CC1 - CC4)	
TV Receiving Channels and Frequency	VHF low	02ch - 06ch: 54 MHz - 88 MHz	
	VHF high	07ch - 13ch: 174 MHz - 216 MHz	
	UHF	14ch - 69ch: 470 MHz - 806 MHz	
	CATV	54MHz - 804 MHz Low Band: 02 - 06 High Band: 07 - 13 Mid Band: 14 - 22 Super Band: 23 - 36 Hyper Band: 37 - 64 Ultra Band: 65 - 94, 100 - 135 Sub Mid Band: 01, 96 - 99	
TV / CATV Total Channel		181 Channels [Reception of channel A-5 ("95" of the TV set's on-screen CABLE channel) is recommended for your TV set.]	
Intermediate Frequency	Video IF	45.75 MHz	
	Sound IF	41.25 MHz (4.5 MHz)	
Color Sub Carrier		3.58 MHz	
LCD panel		26V-inch wide aspect (16 : 9)	32V-inch wide aspect (16 : 9)
Screen Size		Diagonal : 65 cm (H: 57.6 cm × V: 32.4 cm)	Diagonal : 80 cm (H: 69.7 cm × V: 39.2 cm)
Display Pixels		Horizontal : 1366 dots × Vertical : 768 dots (W-XGA)	
Audio Power Output		5 W + 5 W	
Speaker		6.6 cm, round type × 2 (Oblique corn)	
Antenna terminal (VHF/UHF)		F-type connector, 75 Ω unbalanced, coaxial	
Video / Audio input [INPUT-1/2/3]	Component Video [INPUT-1]	RCA pin jack × 3	
	1125i / 750p	Y : 1 V (p-p) (Sync signal: 0.35V(p-p), 3-value sync.), 75 Ω Pb/Pr : ±0.35V(p-p), 75 Ω	
	525p / 525i	Y : 1 V (p-p), Positive (Negative sync provided), 75 Ω Cb/Cr : 0.7V(p-p), 75 Ω	
	S-Video [INPUT-1/2]	Mini-DIN 4 pin × 2 Y: 1 V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω	
	Video	1 V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 3	
	Audio	500 mV (rms), High impedance, RCA pin jack × 6	
Headphone		3.5 mm stereo mini jack × 1	
Remote Control Unit		RM-C1271G (AA/R6 dry cell battery × 2)	

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⊥) side GND and EARTH : (⏚) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

(5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(6) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
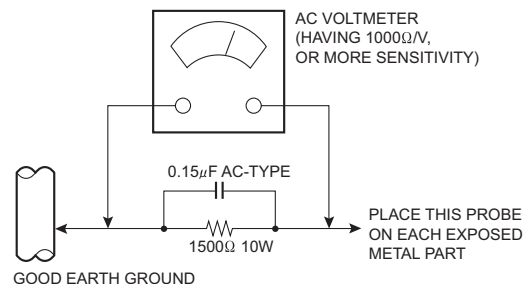
a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).

AC VOLTMETER
(HAVING 1000Ω/V,
OR MORE SENSITIVITY)

0.15μF AC-TYPE

1500Ω 10W

GOOD EARTH GROUND

PLACE THIS PROBE
ON EACH EXPOSED
METAL PART

1.2 INSTALLATION

1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

Ventilation hole

Ventilation hole

*Diagram differs from actual appearance.
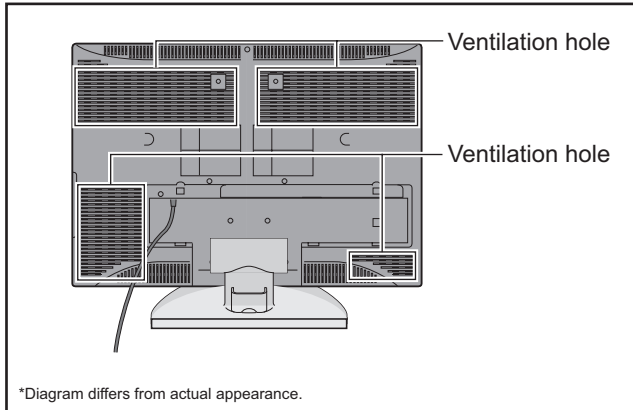
1.2.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc.Install the unit on stable flooring or stands.Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

200 mm

150 mm   150 mm

200 mm

50 mm

*Diagram differs from actual appearance.
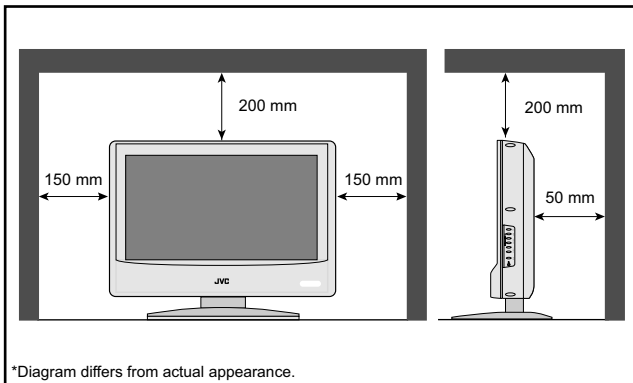
1.2.3 INSTALLATION REQUIREMENTS

To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.

It fixes in a band.

TV Stand

*Diagram differs from actual appearance.
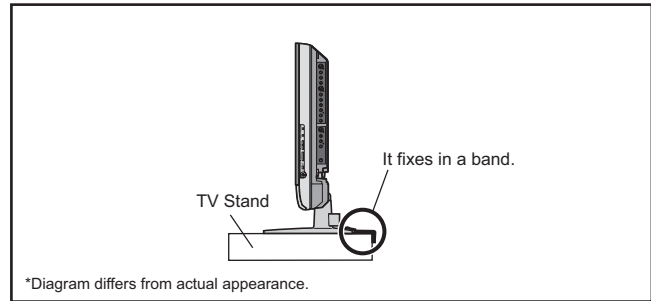
1.2.4 NOTES ON HANDLING

(1) WHEN TAKING UNIT OUT OF A PACKING CASE
When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

(2) AS FOR PRESSING OR TOUCHING A SPEAKER
Be careful not to press the opening of the speaker in the lower part of the unit and around them since the decorative sheet on the surface of the openings may be deformed.

1.3 HANDLING LCD PANEL

1.3.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

(1) USE A SPECIAL PACKING CASE FOR THE LCD PANEL
When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.

(2) ATTACH PROTECTION SHEET TO THE FRONT
Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.

(3) AVOID VIBRATIONS AND IMPACTS
The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(4) DO NOT PLACE EQUIPMENT HORIZONTALLY
Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.3.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

(1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and COLOUR.

(2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).

(3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.

(4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

1.3.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

(1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular COLOUR.

(2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.

(3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

ASPECT

This feature will help you adjust the picture you are watching to give you the best possible picture quality.

NATURAL CINEMA

Watching the movie or animation, press the Natural Cinema to adjust the out line of the images to make thin more sharp.

VIDEO STATUS

Expression of a favorite screen can be chosen by the VIDEO STATUS function.

MTS STEREO

The voice multiplex function of the MTS system is built in. (MTS = Multi channel Television Sound system)

HYPER SURROUND

Creates a deep, three-dimensional sound effect by channeling the audio through the TV's front-firing speakers.

2.2 MAIN DIFFERENCE LIST

Item	LT-26X506/S	LT-32X506/S
LCD PANEL UNIT	QLD0370-001	QLD0371-001

2.3 TECHNICAL INFORMATION

2.3.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.

Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

2.3.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications	
	LT-26X506	LT-32X506
Maximum dimensions (W × H × D)	626.0 mm × 373.0 mm × 51.0 mm	760.0 mm × 450.0 mm × 50.0 mm
Weight	4.7 kg	7.5 kg
Effective screen size	Diagonal: 650 mm (H: 576 mm × V: 324 mm)	Diagonal: 800 mm (H: 697 mm × V: 392 mm)
Aspect ratio	16 : 9	
Drive device / system	a-Si-TFT active matrix system	
Resolution	Horizontally 1366 × Vertically 768 × RGB < W-XGA > 3147264 dots in total	
Pixel pitch (pixel size)	Horizontally: 0.4215 mm Vertically: 0.4215mm	Horizontally: 0.51075 mm Vertically: 0.51075 mm
Displayed colour	16777216 colours 256 colours for R G and B	
Brightness	500cd/m2	
Contrast ratio	800 : 1	1000 : 1
Response time	8ms	
View angle	Horizontally: 170° Vertically: 170°	
Surface polarizer	Anti-Glare type Low reflective coat	
Colour filter	Vertical stripe	
Backlight	U-type Cold cathode fluorescent lamp × 8	Direct-type Cold cathode fluorescent lamp × 16
Power supply voltage in LCD	6.5 V	
Power supply voltage in inverter	26.4 V	25.2 V
Panel interface system	LVDS (Low Voltage Differential Signaling)	

2.3.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

■ **BRIGHT FAULT**

In this pixel fault, a cell that should not light originally is lighting on and off.

For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

■ **DARK FAULT**

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.

For checking this pixel fault, input 100% of each R/G/B colour and find out the cell that is not lighting.

■ **FLICKER FAULT**

In the pixel fault, a cell that should light originally or not light originally is flashing on and off.

For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB colour and find out the cell that is flashing on and off.

2.3.2 MAIN CPU PIN FUNCTION [U302 : MAIN PWB]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function

SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

CAUTION AT DISASSEMBLY:
- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

3.1.1 REMOVING THE STAND
(1) Remove the JACK COVER.
(2) Remove the 2 screws **[A]**, then remove the STAND COVER.
(3) Remove the 4 screws **[B]**, then remove the STAND.

3.1.2 REMOVING THE REAR COVER
- Remove the STAND.
(1) Remove the 8 screws **[C]**, 1 screw **[D]** and 2 screws **[E]**, then remove the REAR COVER.

3.1.3 REMOVING THE POWER PWB
- Remove the STAND.
- Remove the REAR COVER.
(1) Remove the 3 screws **[F]** and 1 screw **[G]**, then remove the TERMINAL BASE.
(2) Remove the 8 screws **[H]**, then remove the BACK BRACKET.
(3) Remove the 6 screws **[J]**, then remove the POWER PWB SHIELD.
(4) Remove the 5 screws **[K]**, then remove the POWER PWB.

3.1.4 REMOVING THE MAIN PWB
- Remove the STAND.
- Remove the REAR COVER.
- Remove the TERMINAL BASE.
- Remove the BACK BRACKET.
- Remove the POWER PWB SHIELD.
(1) Remove the 6 screws **[L]**, then remove the MAIN PWB.

3.1.5 REMOVING THE DIGITAL PWB
- Remove the STAND.
- Remove the REAR COVER.
- Remove the TERMINAL BASE.
- Remove the BACK BRACKET.
(1) Remove the 4 screws **[M]**, then remove the DIGITAL PWB.

3.1.6 REMOVING THE CONTROL PWB
- Remove the STAND.
- Remove the REAR COVER.
(1) Remove the 2 screws **[P]**, then remove the CONTROL PWB.

3.1.7 REMOVING THE LED PWB
- Remove the STAND.
- Remove the REAR COVER.
(1) Remove the 2 screws **[Q]**, then remove the LED PWB.

3.1.8 REMOVING THE SPEAKER
- Remove the STAND.
- Remove the REAR COVER.
(1) Remove the 6 screws **[R]**, then remove the SPEAKER (L/R).

CAUTION:
Please do not disassembly the SPEAKER.
When the speaker is decomposed, the performance cannot be kept.

3.1.9 REMOVING THE LCD PANEL UNIT
- Remove the STAND.
- Remove the REAR COVER.
- Remove the TERMINAL BASE.
- Remove the BACK BRACKET.
(1) Remove the 6 screws **[S]**, then remove the MAIN BASE.
(2) Remove the 6 screws **[T]**, then remove the FRONT PANEL.
(3) Remove the 2 screws **[U]**, then remove the TOP FRAME.
(4) Remove the 2 screws **[V]**, then remove the BOTTOM FRAME.

Fig.1

This exploded view shows the LT-26X506.
LT-32X506 slightly differs from this exploded
view, however it can be disassembled in the
same procedure as LT-26X506.
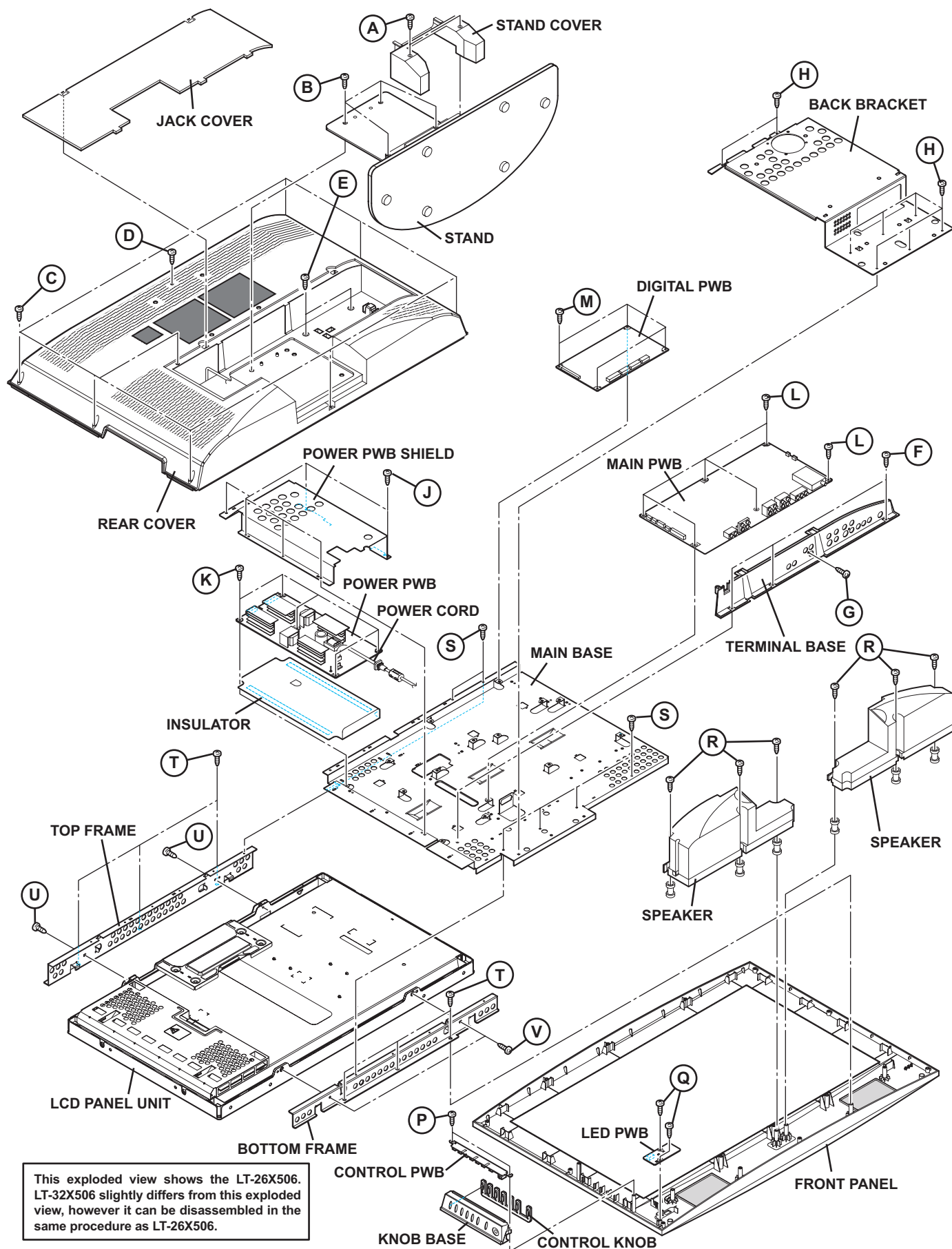
3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.2.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off
Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC
Be sure to use the memory IC written with the initial setting values.

3. Power on
Connect the power plug to the AC outlet and switch on the power.

4. Receiving channel setting
Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

5. User setting
Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

6. SERVICE MODE setting
Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

3.2.2 SERVICE MODE SETTING

■SERVICE MODE SCREEN
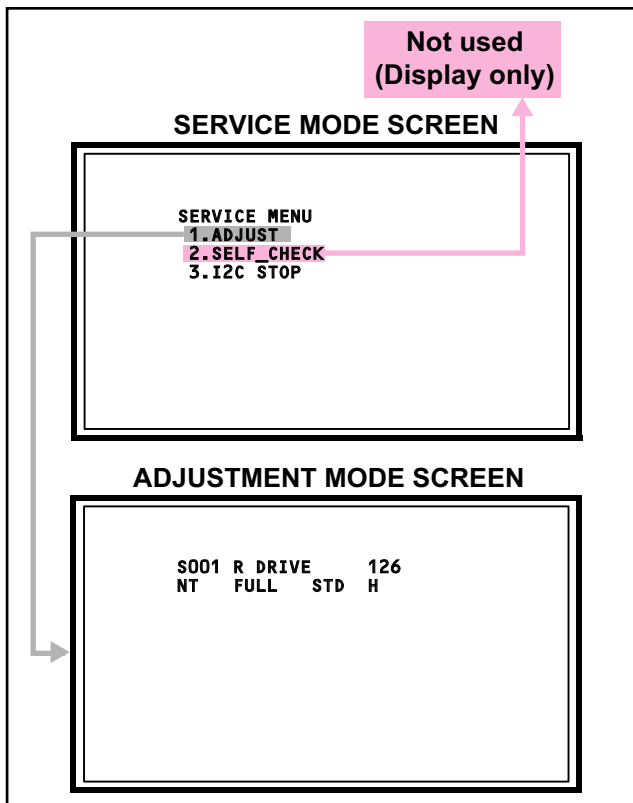
Fig.1

■SETTING ITEM

Setting items	Settings	Item No.
Video system setting	Adjust	S001 - S024

NOTE:
As self check feature is not used in this TV, **"2. SELF CHECK"** cannot be selected (screen display only).

3.2.3 SETTINGS OF FACTORY SHIPMENT

3.2.3.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	CABLE-02
VOLUME	10

3.2.3.2 REMOTE CONTROL DIRECT OPERATION

Setting item		Setting position
INPUT		TV
CHANNEL		CABLE-02
VOLUME		10
DISPLAY		OFF
ASPECT	NTSC	PANORAMA
	HD / ATSC	FULL
SLEEP TIMER		OFF
VIDEO STATUS		DYNAMIC
HYPER SURROUND		OFF

3.2.3.3 REMOTE CONTROL MENU OPERATION

1. PICTURE ADJUST

Customers can adjust the picture setting of menu screen as their own like but the picture standard value during factory shipment is as below.

< NTSC MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	00	00	00	00
BRIGHT	00	00	00	00
COLOR	+10	00	-10	00
TINT	00	00	00	00
DETAIL	+05	00	00	00
ENERGY SAVER MODE	+30	+20	00	-10
COLOR TEMPERATURE	HIGH	LOW	HIGH	HIGH
DIG. NOISE CLEAR	OFF	OFF	OFF	OFF
NATURAL CINEMA	AUTO	AUTO	AUTO	AUTO

< HD MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	00	00	00	00
BRIGHT	00	00	00	00
COLOR	+05	00	-10	00
TINT	00	00	00	00
DETAIL	+05	00	00	00
ENERGY SAVER MODE	+30	+20	00	-10
COLOR TEMPERATURE	HIGH	LOW	HIGH	HIGH
DIG. NOISE CLEAR	OFF	OFF	OFF	OFF
NATURAL CINEMA	AUTO	AUTO	AUTO	AUTO

2. SOUND ADJUST

Setting item	Setting position
BASS	00
TREBLE	00
BALANCE	00

3. CLOCK / TIMERS

Setting item	Setting position
ON / OFF TIMER	OFF

4. INITIAL SETUP

Setting item	Setting position
NOISE MUTING	ON
FRONT PANEL LOCK	OFF
POWER INDICATOR	HIGH
LANGUAGE	ENG.
CLOSED CAPTION	OFF(CC1/T1)
AUTO SHUT OFF	OFF
XDS ID	ON
V-CHIP	OFF

3.3   REPLACEMENT OF CHIP COMPONENT

3.3.1   CAUTIONS
(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.3.2   SOLDERING IRON
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.3.3   REPLACEMENT STEPS
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.
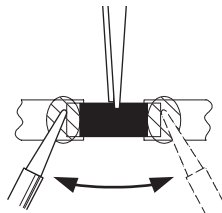
(2) Shift with the tweezers and remove the chip part.
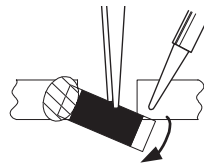
[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.

SOLDER — SOLDER

(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.
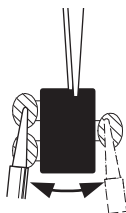
NOTE :
After removing the part, remove remaining solder from the pattern.

2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
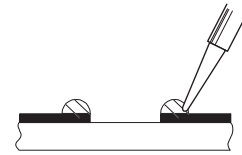
(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.
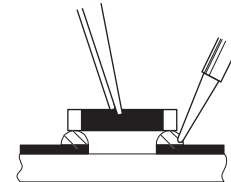
[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.
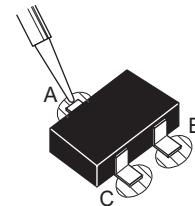
(4) Then solder leads **B** and **C**.
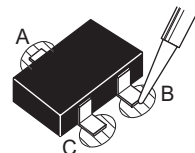
SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

(1) **There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.**

(2) **The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**

(3) Make sure that connection is correctly made AC to AC power source.

(4) Turn on the power of the TV and measuring instruments for warming up for at least 30 minutes before starting adjustments.

(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.

(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Setting item	Settings position
PICTURE MODE	STANDARD
PICTURE adjustments	Centre
COLOUR TEMP.	NORMAL
SOUND adjustments	Centre

4.3 MEASURING INSTRUMENT AND FIXTURES

• Signal generator (Pattern generator)[NTSC]
• Remote control unit

4.4 ADJUSTMENT ITEMS

■ VIDEO CIRCUIT

• WHITE BALANCE (HIGH LIGHT) adjustment

4.5 BASIC OPERATION OF SERVICE MODE

4.5.1 HOW TO ENTER THE SERVICE MODE

(1) Set to 0 minutes using the **[SLEEP TIMER]** key.

(2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneosly, then enter the SERVICE MODE.

NOTE:

• As self check feature is not used in this TV, **"2. SELF CHECK"** cannot be selected (screen display only).

• Before entering the SERVICE MODE, confirm that the setting of **TV/CATV** switch of the REMOTE CONTROL UNIT is at the "TV" side and the setting of **VCR/DVD** switch is at the "**VCR**" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.

• When a number key other than the **[1]** keys is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.

This is not used in the adjustment procedure. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

Not used (Display only)

SERVICE MODE SCREEN

```
SERVICE MENU
1.ADJUST
2.SELF_CHECK
3.I2C STOP
```

ADJUSTMENT MODE SCREEN

```
S001 R DRIVE    126
NT   FULL   STD  H
```
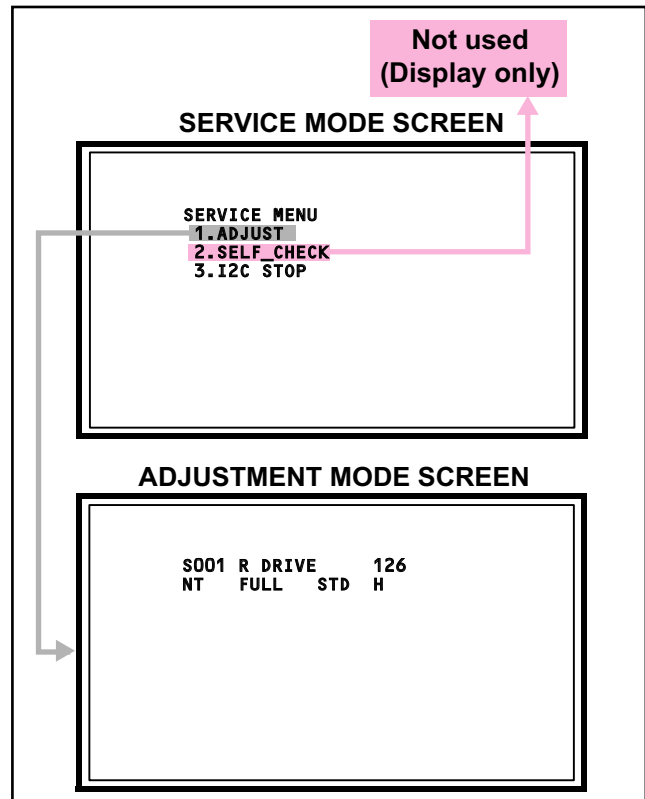
4.5.2 HOW TO EXIT THE SERVICE MODE

Press the **[BACK]** key to exit the Service mode.

4.5.3 DESCRIPTION OF STATUS DISPLAY OF ADJUSTMENT MODE

SIGNAL SYSTEM   SCREEN MODE   PICTURE MODE   COLOUR TEMP.
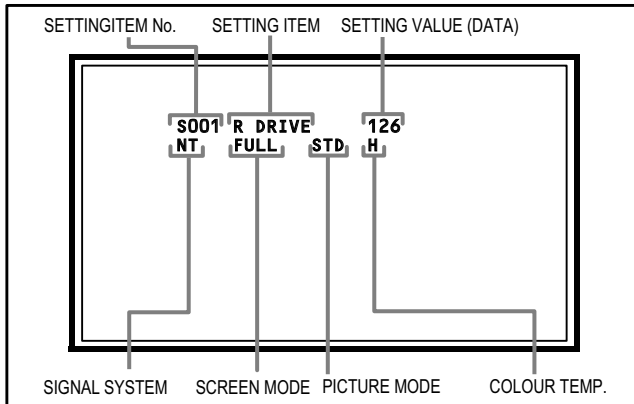
(1) SIGNAL SYSTEM
The signal displayed on the screen is displayed.

NT	: 525i (Composite / S-video input)
5I	: 525i (Component input)
5P	: 525p
1I	: 1125i
7P	: 750p

(2) SCREEN MODE

FULL	: FULL
1609	: CINEMA, CINEMA ZOOM
PANO	: PANORAMA, HD PANORAMA
REGU	: REGULAR

(3) VIDEO STATUS

STD	: STANDARD
DYN	: DYNAMIC
TH	: THEATER
GAME	: GAME

(4) COLOR TEMPERATURE

| H | : HIGH |
| L | : LOW |

(5) SETTING ITEM NAME
Setting item name are displayed. The setting item numbers to be displayed are listed below.

Item No.	Setting item
S001 - S024	Video system setting

(6) SETTING ITEM NO.
Setting item numbers are displayed. For the setting item names to be displayed, refer to "Initial setting value of adjustment mode".

(7) SETTING VALUE (DATA)
The SETTING VALUE is displayed.

4.5.4 CHANGE AND MEMORY OF SETTING VALUE

■SELECTION OF SETTING ITEM
- **[CH+]** / **[CH-]** key.
  Change the setting items up/ down.

■CHANGE OF SETTING VALUE (DATA)
- **[VOL+]** / **[VOL-]** key.
  Change the setting values up/down.

■MEMORY OF SETTING VALUE (DATA)
  Changed setting value is memorized by pressing **[MUTING]** key.

4.5.5 SERVICE MODE SELECT KEY LOCATION
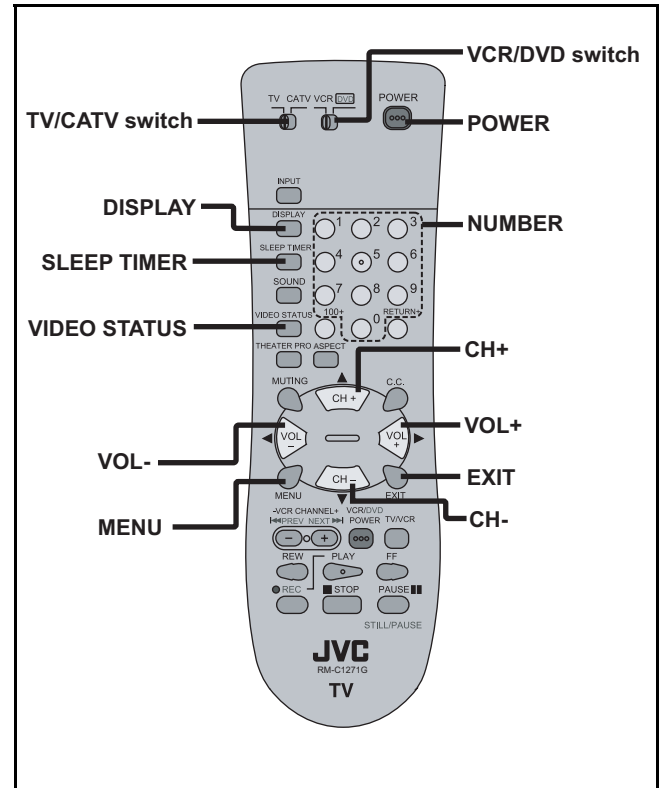
4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

4.6.1 VIDEO SYSTEM SETTING

Item No.	Item name	Variable range	Setting value
S001	R DRIVE	0 - 255	115
S002	G DRIVE	0 - 255	118
S003	B DRIVE	0 - 255	113
S004	R ST LO HD	-62 - 63	00
S005	G ST LO HD	-62 - 63	00
S006	B ST LO HD	-62 - 63	00
S007	R ST HI SD	-62 - 63	-06
S008	G ST HI SD	-62 - 63	-04
S009	B ST HI SD	-62 - 63	00
S010	R ST HI HD	-62 - 63	-06
S011	G ST HI HD	-62 - 63	-04
S012	B ST HI HD	-62 - 63	00

Item No.	Item name	Variable range	Setting value
S013	R TH LO SD	-62 - 63	00
S014	G TH LO SD	-62 - 63	-09
S015	B TH LO SD	-62 - 63	-24
S016	R TH LO SD	-62 - 63	00
S017	G TH LO HD	-62 - 63	00
S018	B TH LO HD	-62 - 63	-09
S019	R TH HI SD	-62 - 63	00
S020	G TH HI SD	-62 - 63	-01
S021	B TH HI SD	-62 - 63	-15
S022	R TH HI HD	-62 - 63	00
S023	G TH HI HD	-62 - 63	-01
S024	B TH HI HD	-62 - 63	-15

4.7 ADJUSTMENT PROCEDURE

4.7.1 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (HIGHLIGHT)	Remote control unit Signal generator		[1.ADJUST] S001: R DRIVE (Red drive) S002: G DRIVE (Green drive) S003: B DRIVE (Blue drive)	(1) Receive a NTSC 75% all white signal. (2) Set "VIDEO STATUS" to "**STANDARD**". (3) Set "ASPECT" to "**FULL**". (4) Select "COLOUR TEMPERATURE" to "**LOW**". (5) Select "**1.ADJUST**" from the SERVICE MODE. (6) Adjust to keep one of **< S001 >** (Red drive), **< S002 >** (Green drive) or **< S003 >** (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout. **NOTE:** Set one or more of **< S001 >**, **< S002 >**, and **< S003 >** to "**145**". (7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (8) Press the **[MUTING]** key to memoirze the set value.

SECTION 5
TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.

JVC®

LCD Flat Television Users Guide

For Models:
LT-32X506
LT-26X506

Illustration of LT-32X506 and RM-C1271G

Important Note:

In the spaces below, enter the model and serial number of your television (located at the rear of the television cabinet). Staple your sales receipt or invoice to the inside cover of this guide. Keep this user's guide in a convenient place for future reference. Keep the carton and original packaging for future use.

Model Number:

Serial Number:

LCT1899-001A-A
0605TNH-II-IM

Important Safety Precautions

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: **To reduce the risk of electric shock. Do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.**

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS TV SET TO RAIN OR MOISTURE.

CAUTION: TO INSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS UNIT.

1. Operate only from the power source specified on the unit.
2. Avoid damaging the AC plug and power cord.
3. Avoid Improper installation and never position the unit where good ventilation is unattainable.
4. Do not allow objects or liquid into the cabinet openings.
5. In the event of trouble, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

Changes or modifications not approved by JVC could void the warranty.

* When you don't use this TV set for a long period of time, be sure to disconnect both the power plug from the AC outlet and antenna for your safety.

* To prevent electric shock do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

IMPORTANT RECYCLING INFORMATION

This product has a fluorescent lamp that contains a small amount of mercury. It also contains lead in some components. Disposal of the materials may be regulated in your community due to environmental considerations. For disposal or recycling information, please contact your local authorities, or the Electronic Industries Alliance:

http://www.eiae.org

2

• As an "ENERGY STAR®" partner, JVC has determined that this product or product model meets the "ENERGY STAR®" guidelines for energy efficiency.

IMPORTANT SAFETY INSTRUCTIONS

1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this apparatus near water.

6) Clean only with dry cloth.

7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11) Only use attachments/accessories specified by the manufacturer.

12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.

14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15) Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

16) Avoid improper installation and never position the unit where good ventilation is impossible. When installing this TV, distance recommendations must be maintained between the set and the wall, as well as inside a tightly enclosed area or piece of furniture. Keep to the minimum distance guidelines shown for safe operation.
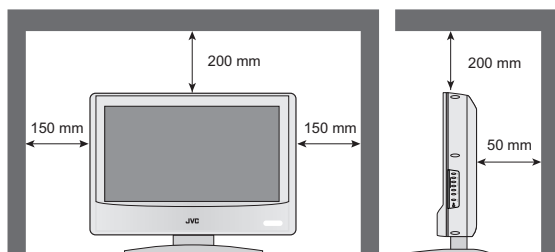
17) Cautions for installation
— Do not tilt the TV towards the left or right, or towards the back.
— Install the TV in a corner on the floor so as to keep cords out of the way.
— The TV will generate a slight amount of heat during operation. Ensure that sufficient space is available around the TV to allow satisfactory cooling.

Warnings

Avoiding Ghost Images

Displaying fixed images for extended periods of time can leave a subtle but temporary ghost image on your screen. To avoid this, mix your viewing pattern.

Examples include, but are not limited to the following:

- Stock-market report bars
- Shopping channel logos and pricing displays
- Video game patterns or scoreboards
- Bright station logos
- Internet web sites or other computer-style images.
- DVD discs, video tapes, laser discs
- Broadcast, cable, satellite channels or digital television tuners/converters.

For example...

TV on   TV off
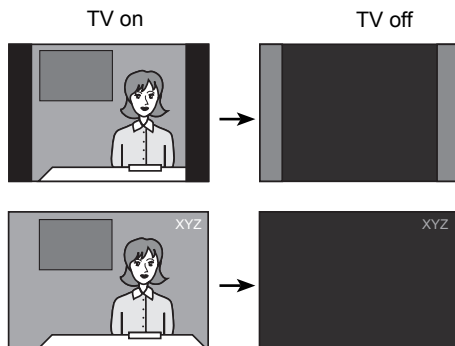
Caring for the Cabinet

Normally, light dusting with a soft, non-scratching duster will keep your TV clean.

If you wish to wipe down the television, first unplug it. Then wipe gently with a soft cloth, slightly moistened with water. You can add a few drops of mild liquid detergent to the water to help remove spots of oily dirt.

- DO NOT allow liquid to enter the TV through the ventilation slots.
- DO NOT use strong or abrasive cleaners on the TV.
- DO NOT spray liquids or cleaners directly on the TV's surface.
- DO NOT rub or scrub the TV harshly. Wipe the set gently with a soft cloth.

Caring for the Screen

The screen is treated with an electrostatic-proof coating. When it gets dirty, wipe it gently with a soft cloth. If the screen is very dirty, wipe it down with a cloth dipped in a diluted kitchen cleaner and thoroughly wrung-out. Then wipe immediately after with a clean, dry cloth.

Do not apply alcohol, organic solvents (like acetone), acidic or alkaline cleansers to the screen. These will remove the coating layer and cause discolorations.

Do not push or hit the screen. This could cause scratches on the screen surface and image distortions.

Warnings (Continued...)

How to move the cabinet

Your fingers may become trapped under the TV, causing injuries. Hold the TV at the bottom in the middle, and do not allow the TV to tilt up or down.
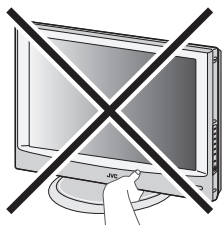
The TV may fall causing injuries. Hold the bottom of the stand with your hand and tilt the TV up or down.
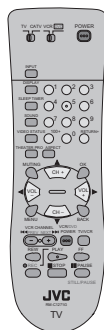
Table of Contents

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Thank you for your purchase of a JVC LCD Flat Television. Before you begin setting up your new television, please check to make sure you have all of the following items. In addition to this guide, your television box should include:
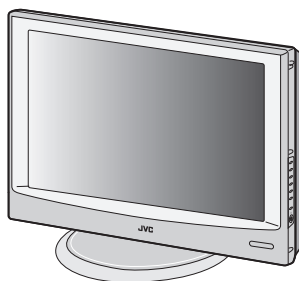
1 Television   1 Remote Control   Two AA Batteries

Once you have unpacked your television, the next step is to connect it to your antenna/ cable or satellite system and to connect the audio/video devices you want to use with your television. To make these connections you will use plugs like the ones illustrated below.

Coaxial Cables

Used to connect an external antenna or cable TV system to your TV.

Component Cables
Composite Cables
Audio Cables

Used to connect audio/ video devices like VCRs, DVD players, stereo amplifiers, game consoles, etc.

S-Video Cable

Used to make video connections with S-Video VCRs, Camcorders and DVD players.

We recommend that before you start using your new television, you read your entire User's Guide so you can learn about your new television's many great features. If you're anxious to start using your television right away, a quick setup guide follows on the next few pages.

Quick Setup   TV Model

NOTE: Before you connect your television to another device, please refer to the proper diagrams for your specific TV and remote. These will help assist you in understanding how to connect your television to another device, as well as use the remote to set up your television.
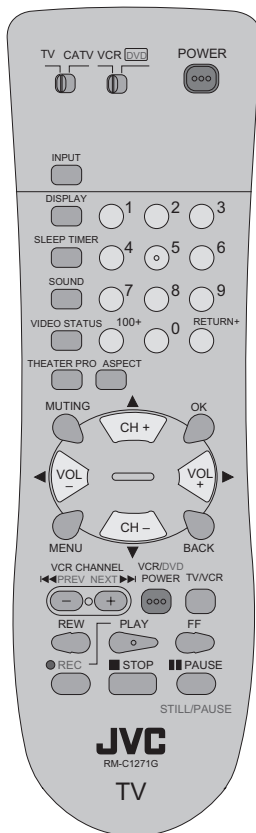
Rear Panel Diagram
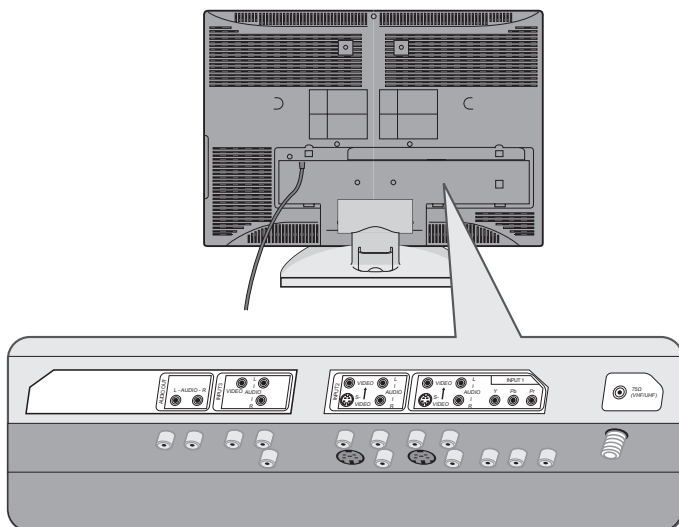
In the rear cover

Side Panel Diagram
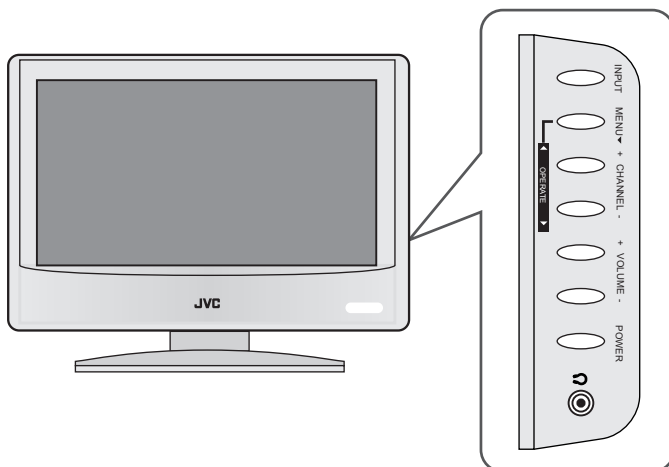
RM-C1271G

Note:

• For information on remote control buttons, see pages 44 - 49.

Getting Started

These quick setup pages will provide you, in three easy steps, with the basic information you need to begin using your new television right away.

If you have questions, or for more detailed information on any of these steps, please consult other sections of this manual.

Step 1 - Using the stand

This TV comes with a Table Top Stand already attached.

This stand can be used to adjust the direction of the TV screen 5° up, 10° down and 20° to the left or right.

Tilt the TV up or down

While holding the bottom of the stand with one hand, use your other hand to hold the middle of the top of the TV, and slowly tilt the TV up or down.

• As a safety measure, the stand is constructed so that it requires a certain amount of force to tilt the TV.
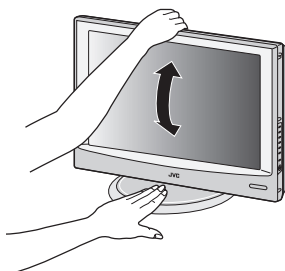
Rotate the TV left or right

While holding the bottom of the stand with one hand, use your other hand to hold the edge of the panel and slowly adjust the direction of the TV stand.
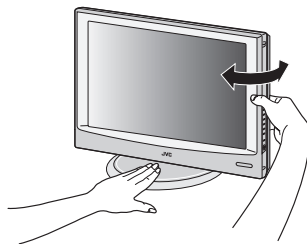
Step 2 – The Remote Control

Before you can operate your remote control, you first need to install the batteries (included).

Lift and pull the latch on the back of the remote control to open. Insert two batteries (included) carefully noting the "+" and "–" markings, placing the "–" end in the unit first. Snap the cover back into place.

When you change the batteries, try to complete the task within three minutes. If you take longer than three minutes, the remote control codes for your VCR, DVD, and/or cable box/satellite receiver may have to be reset. See pages 19 - 22.
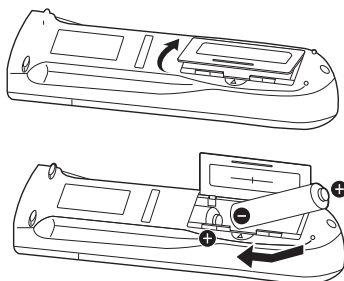
Key Feature Buttons

The four key feature buttons at the center of the remote can be used for basic operation of the television. The top and bottom buttons will scan forward and back through the available channels. To move rapidly through the channels using JVC's **Hyperscan** feature, press and hold CH+ or CH–. The channels will zip by at a rate of five channels per second. The right and left buttons will turn the volume up or down. These buttons are also marked with four arrows and are used with JVC's onscreen menu system. To use the onscreen menus, press the MENU button.
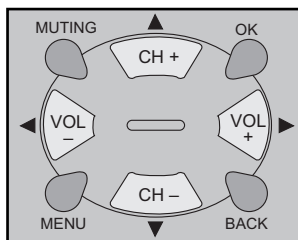
Basic Operation

Turn the television on and off by pressing the POWER button at the top right corner of the remote.

- Make sure the TV/CATV switch is set to TV. Move the switch to CATV only if you need to operate a cable box.

- Slide the VCR/DVD selector switch to VCR to control a VCR. Slide to DVD to control a DVD player. Please see pages 19 to 22 for instructions on programming your remote control to operate a cable box, VCR or DVD player.
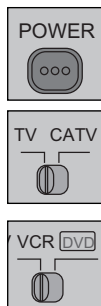
Step 3 - Connecting your devices

Remove the terminal cover

There are connection terminals behind the cover on the rear
of the TV. Remove the cover before connecting an antenna
or other devices. The cover can be removed by removing
the hooks. When replacing the cover, place the bottom of the
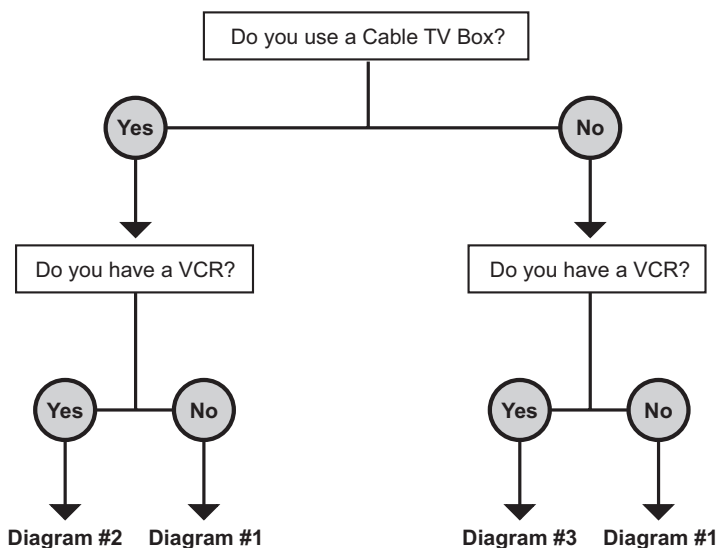cover against the TV and insert the hooks.
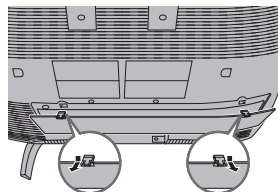
Note:
• Leave the terminal covers off if they do not fit properly. Do
  not force to replace the covers. Doing so may damage the
  connection cables and covers.
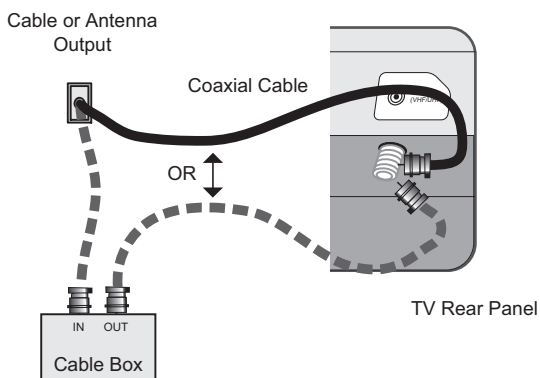
Connections

Please follow the flow chart below to determine which connection setup is right for you. Then,
refer to the appropriate diagrams to connect your television to other devices that you may
have. After you are finished connecting your devices, plug the power cord into the nearest
power outlet and turn on the TV.

A VCR is not necessary for operation of the television. If you follow these diagrams and the
television does not work properly, contact your local cable operator.

• To connect a DVD player, see **Diagram #3**. A DVD player is optional.
• If you have a satellite television system, please refer to the satellite TV manual.
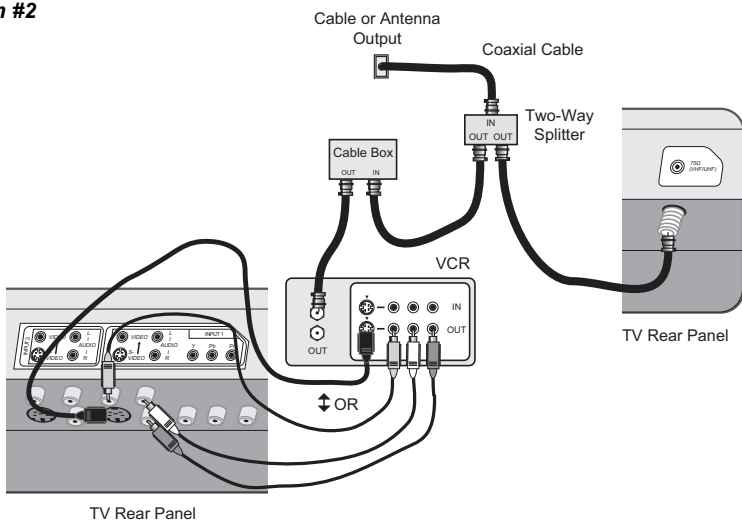
Do you use a Cable TV Box?

Yes   No

Do you have a VCR?   Do you have a VCR?

Yes   No   Yes   No

Diagram #2   Diagram #1   Diagram #3   Diagram #1

Diagram #1

Note:

• If you do not have a cable box, connect the cable wire from the wall outlet into the back of the TV.
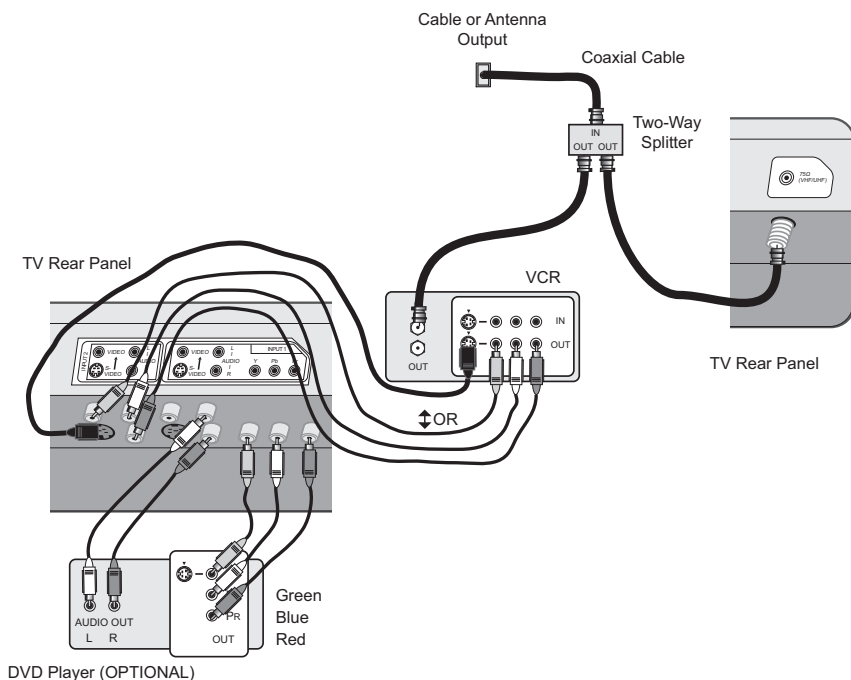
Diagram #2

Notes:

• If your VCR is a mono sound unit, it will have only one audio out jack. Connect it to the LEFT AUDIO INPUT on the rear of the TV.

• Use the S-Video connection if possible for superior picture quality.

• Your VCR must be turned on to view premium cable channels.

Notes:

- Green, blue and red are the most common colors for DVD cables. Some models may vary colors. Please consult the user's manual for your DVD player for more information.
- Be careful not to confuse the red DVD cable with the red audio cable. It is best to complete one set of connections (DVD or audio output) before starting the other to avoid accidentally switching the cables.
- You may also connect the DVD player to Input 1.

Diagram #3

Cable or Antenna Output

Coaxial Cable

Two-Way Splitter

TV Rear Panel

VCR

TV Rear Panel

Green
Blue
Red

AUDIO OUT
L   R

DVD Player (OPTIONAL)

Connecting to a Camcorder

You can connect a camcorder to you televison by using the input jacks located on the back of the television.

TV Rear Panel

CAMCORDER

JVC

OR
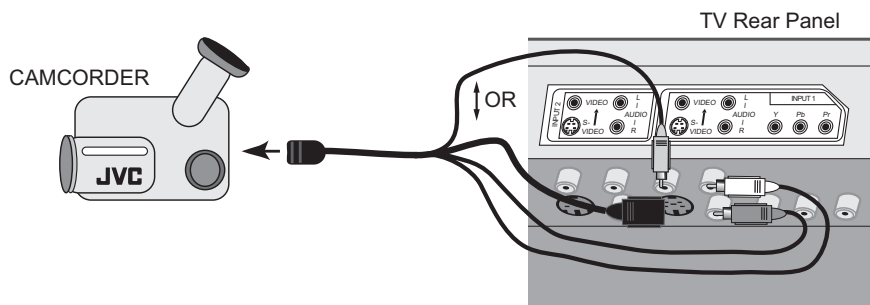
1) Connect a yellow composite cable from the camcorder VIDEO OUT, into the VIDEO IN on the back of the TV, **OR** connect an S-Video cable from the camcorder to the back of the TV.
2) Connect a white cable from the camcorder LEFT AUDIO OUT, into the LEFT AUDIO IN on the back of the TV.
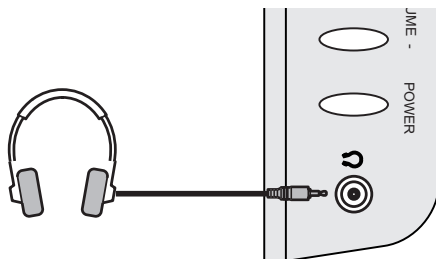3) Connect a red cable from the camcorder RIGHT AUDIO OUT, into the RIGHT AUDIO IN on the back of the TV.

Note:

• If your camcorder is a mono sound model it will have only one AUDIO OUT. Connect it to the LEFT AUDIO IN on the back of the TV.
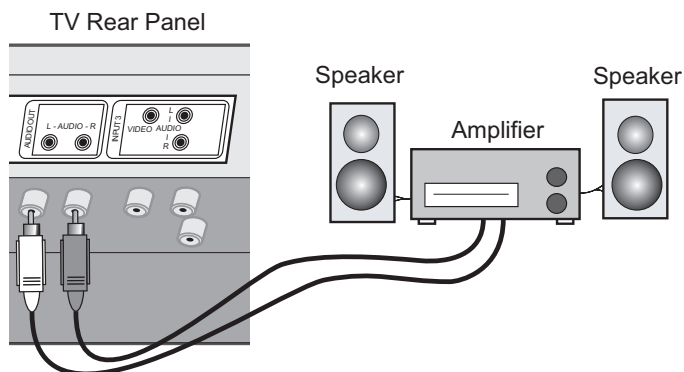
Headphone Connection

You can connect a pair of headphones to the television using the headphone jack located on the side of the television.

1) Plug a headphone jack into the headphone jack on the television's side panel.

Connecting to an External Amplifier

TV Rear Panel

Speaker   Amplifier   Speaker

1) Connect a white cable from the LEFT AUDIO OUTPUT on the back of the TV to the LEFT AUDIO INPUT on the amplifier.

2) Connect a red cable from the RIGHT AUDIO OUTPUT on the back of the TV to the RIGHT AUDIO INPUT on the amplifier.

Notes:

• Refer to your amplifier's manual for more information.
• You can use AUDIO OUTPUT for your home theater system.

Step 4 – Auto Tuner Setup

JVC's onscreen menu system lets you set your television up to meet your own personal viewing preferences. The menu screens and their features are discussed in detail in this book. The menu settings are optional, you can set as many or as few of them as you wish. But to begin watching your television right away you will need to run the Auto Tuner Setup. This lets your television learn the channels it is able to receive. To run the Auto Tuner Setup follow the steps below.
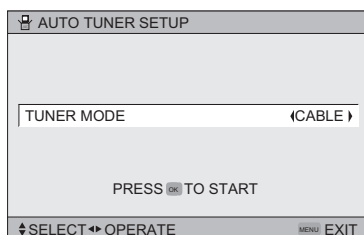
Press the MENU button on the remote control

▲▼   To AUTO TUNER SETUP
◄►   To operate

```
┌─────────────────────────────────────┐
│ 🖥 AUTO TUNER SETUP                   │
│                                      │
│  ─────────────────────────────────   │
│  TUNER MODE              ◄CABLE ►    │
│                                      │
│                                      │
│         PRESS ☒ TO START            │
│  ─────────────────────────────────   │
│ ‡ SELECT ◄► OPERATE        MENU EXIT │
└─────────────────────────────────────┘
```

◄►   To choose CABLE (if you are connected to a cable system) or AIR (if you use an antenna)

Press the OK button

The Auto Tuner will now memorize all of the clear, active channels your television can receive. This will take one or two minutes.

```
┌──────────────────────────┐
│          NOW             │
│    PROGRAMMING !         │
│       ▸▸▸ ▢ ▸▸▸          │
│          48              │
└──────────────────────────┘
```

When the setup is finished, PROGRAMMING OVER ! is displayed. Your quick setup is now complete. You can now begin watching your television, or you can continue on in this guide for more information on programming your remote control, or using the JVC onscreen menu system to customize your television viewing experience.

Cable Box and Satellite Users: After your auto tuner setup is complete, you may, (depending on the type of hookup), have only 1 channel, usually 3 or 4 in the auto tuner memory. This is normal.

STOP **The Quick Setup is complete**

Remote Programming

Setting the CATV, VCR and DVD Codes

You can program your remote to operate your cable box, satellite receiver, VCR or DVD player by using the instructions and codes listed below. If the equipment does not respond to any of the codes listed below or to the code search function, use the remote control supplied by the manufacturer.

Cable Box or Satellite Codes

The remote control is programmed with cable box and satellite codes for power on/off, channel up/down, and 10 key operation.

1) Find the cable box or satellite brand from the list of codes shown below.
2) Slide the 2-way selector switch to "CATV".
3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
4) Release the DISPLAY button, and confirm the operation of the cable box/satellite receiver.

• If your cable or satellite box does not respond to the first code, try the others listed. If it does not respond to any code, try the search codes function, on page 22.

Cable Box	CODES	Cable Box	CODES	Digital Satellite Systems	CODES
ABC	024	Puser	032	Echostar	100, 113, 114, 115
Archer	032, 025	RCA	061, 070		
Cableview	051, 032	Realistic	032	Express VU	100, 113
Citizen	022, 051	Regal	058, 064, 040, 041, 042, 045, 068	G.E.	106
Curtis	058, 059			G.I.	108
Diamond	024, 032, 025	Regency	034	Gradiente	112
Eagle	029	Rembrandt	037, 032, 051, 038	Hitachi	104, 111
Eastern	034			HNS (Hughes)	104
GC Brand	032, 051	Samsung	051		
Gemini	022, 043	Scientific Atlanta	057, 058, 059	Panasonic	105
General Instrument	065, 024, 025, 026, 027, 020, 021, 022, 057, 023	SLMark	051, 047	Philips	102, 103
		Sprucer	051, 056	Primestar	108
		Stargate	032, 051	Proscan	106, 109, 110
Hamlin	040, 041, 042, 045, 058, 064	Telecaption	067	RCA	106, 109, 110
Hitachi	049, 024	Teleview	047, 051	Sony	107
Jerrold	065, 024, 025, 026, 027, 020, 021, 022, 057, 023	Texscan	044	Star Choice	104, 108
		Tocom	035, 036, 066	Toshiba	101
		Toshiba	050	Uniden	102, 103
Macom	049, 050, 051, 054	Unika	032, 025		
Magnavox	033	Universal	022, 032		
Memorex	030	Videoway	052		
Movietime	032, 051	Viewstar	029, 030		
Oak	039, 037, 048	Zenith	063, 046		
Panasonic	055, 056, 060, 071, 073	Zenith/Drake Satellite	046		
Paragon	063				
Philips	028, 029, 030, 052, 053, 031, 069				
Pioneer	047, 062				
Pulsar	051, 032				

Remote Programming

VCR Codes

The remote control is programmed with VCR codes for power on/off, play, stop, fast-forward, rewind, pause, record, channel up/down operation.

1) Find the VCR brand from the list of codes shown below.
2) Slide the first 2-way selector switch to "TV" and the other 2-way selector switch to "VCR".
3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
4) Release the DISPLAY button, and confirm the operation of the VCR.

- If your VCR does not respond to the first code, try the others listed. If it does not respond to any of the codes, try the search codes function on page 22.

- After you program your remote, some VCR buttons may not work properly. If so, use the VCR's remote.

- To record, hold down the REC button on the remote and press PLAY.

VCRs	CODES	VCRs	CODES	VCRs	CODES
Admiral	035	Marantz	003, 004, 005	Samsung	037, 060, 062, 033, 089
Aiwa	027, 032, 095	Marta	064		
Akai	029, 072, 073, 074	Memorex	024, 067	Samtron	089
		MGA	038, 040, 047, 048, 041, 042	Sansui	003, 026, 020, 052
Audio Dynamic	003, 005				
Bell & Howell	063, 071	Minolta	058, 045, 093	Sanyo	063, 067, 091, 071
Broksonic	020, 026, 094	Mitsubishi	038, 040, 047, 048, 041, 042, 078, 090	Scott	059, 060, 062, 067, 038, 040, 047, 048, 026, 020
Canon	023, 025				
CCE	043				
Citizen	064	Multitech	047, 027, 062		
Craig	063, 029, 064	NEC	003, 004, 005, 000	Sears	063, 064, 065, 066, 058, 000, 001
Curtis Mathes	045, 024, 027, 093	Olympic	024, 023		
Daewoo	043, 059, 024, 092	Optimus	028, 021, 035, 064	Shintom	075
				Sharp	035, 036, 080, 088
DBX	003, 004, 005	Orion	026, 020		
Dimensia	045, 093	Panasonic	023, 024, 021, 022	Signature 2000	027, 035
Emerson	043, 026, 077, 061, 025, 042, 020, 076	Penney	024, 058, 045, 063, 003, 004, 005, 093	Singer	075
				Sony	028, 029, 030, 053, 054, 055
Fisher	063, 066, 067, 065, 071, 091	Pentax	058, 005, 045, 093	SV 2000	027
				Sylvania	031, 023, 024, 027
Funai	027, 026, 020, 000	Philco	031, 024, 027, 023, 026, 020, 043	Symphonic	027, 081
G.E.	033, 045, 024			Tashiro	064
Go Video	037, 051, 049, 050, 089	Philips	031, 023, 024, 086	Tatung	003, 004, 005
				Teac	003, 004, 027, 005
Goldstar	064	Pioneer	023		
Gradiente	083, 084, 081, 000, 001	Proscan	045, 058, 023, 024, 031, 046, 059, 060, 033, 087, 093	Technics	021, 022, 023, 024
				Teknika	024, 027, 070
Hitachi	023, 045, 058, 027, 081, 093			Toshiba	059, 046, 079
		Quasar	021, 022, 023, 024	Vector Research	005
Instant Replay	024, 023			Wards	035, 036, 067, 044, 064
Jensen	003	Radio Shack	033, 024, 063, 036, 067, 040, 027		
JVC	000, 001, 002, 003, 004, 005	RCA	033, 045, 058, 023, 024, 031, 046, 059, 060, 083, 084, 085, 087, 093	Yamaha	063, 003, 004, 005
Kenwood	003, 004, 064, 005			Zenith	044, 082, 064, 094
LXI	027, 064, 058, 065, 066, 063, 067	Realistic	024, 063, 036, 067, 040, 027		
Magnavox	031, 023, 024, 086				

Remote Programming

DVD Codes

The remote control is programmed with DVD codes for power on/off, play, stop, fast-forward, rewind, previous/next chapter, tray open/close, and still/pause operation.

1) Find the DVD player brand from the list of codes shown below.
2) Slide the first 2-way selector switch to "TV" and the other 2-way selector switch to "DVD".
3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
4) Release the DISPLAY button, and confirm the operation of the DVD player.

• If your DVD player does not respond to the first code, try the others listed. If it does not respond to any of the codes, try the search codes function on page 22.

• After you program your remote, some DVD buttons may not work properly. If so, use the DVD player's remote.

DVD Player	CODES	DVD Player	CODES
Aiwa	043	RCA	021, 026
Apex	040	Sampo	034
Denon	020, 037	Samsung	030
Hitachi	030, 031	Sharp	028
JVC	000	Silvania	038
Kenwood	035	Sony	024, 045, 046, 047
Konka	039		
Mitsubishi	025	Technics	020
Onkyo	041	Toshiba	023
Oritron	044	Vialta	050
Panasonic	020	Wave	042
Philips	023, 036	Yamaha	020
Pioneer	022	Zenith	027, 032
Raite	033		

Remote Programming

Search Codes

Cable/Satellite Search Codes Function

1) Slide the first 2-Way Mode Selector switch to CATV.
2) Press the POWER and RETURN+ buttons. Hold for at least three seconds and release.
3) Press the POWER button on the remote, and see if the cable or satellite box responds.
4) If there was a response, press RETURN+. The codes are now set. If there was no response, repeat Step 3. If you repeat Step 3 a total of 80 times without a response, use the remote control that came with your equipment.
5) Press RETURN+ to exit.

VCR/DVD Search Codes Function

1) Slide the first 2-way selector switch to "TV" and the other 2-way selector switch to "VCR" or "DVD".
2) Press the VCR or DVD POWER and RETURN+ buttons. Hold for at least three seconds and release.
3) Press the VCR or DVD POWER button, and see if the VCR or DVD responds.
4) If there was a response, press RETURN+. The codes are now set. If there was no response, repeat Step 3. If you repeat Step 3 a total of 80 times for the VCR (40 times for the DVD player), and there is no response, use the remote control that came with your equipment.
5) Press RETURN+ to exit.

Using the Guide

Certain symbols are used throughout this guide to help you learn about the features of your new television. The ones you will see most frequently are:

▲▼ Up and Down arrows mean press the CH+ or CH– buttons. Pressing the CH+ or CH– buttons let you:
  • Move vertically in a main menu screen
  • Move through a submenu screen
  • Move to the next letter, number, or other choice in a submenu
  • Back up to correct an error
  • Scan through TV channels (when not in a menu screen)

◄► Left and right arrows mean press the VOLUME+ or VOLUME- buttons to move left or right to:
  • Select a highlighted menu item
  • Select an item in a submenu
  • Select numbers in certain menu options
  • Turn the volume up or down (when not in a menu screen)

The "press button" icon means you should press the button named on your remote control. (Button names appear in SMALL CAPITAL LETTERS.)

To bring up the onscreen menu, press the MENU button on the remote control. The item that appears in green is the one currently selected. If you use the Menu button on the TV's front panel instead of the remote, an additional menu screen showing INPUT, VIDEO STATUS and ASPECT will appear between INITIAL SETUP and PICTURE ADJUST.

```
┌─────────────────────────────────────┐
│ □ ♫ ⏱ 🖵   INITIAL SETUP             │
├─────────────────────────────────────┤
│ ▲ PREVIOUS                           │
│ AUTO TUNER SETUP ▶                   │
│ CHANNEL SUMMARY ▶                    │
│ V-CHIP ▶                             │
│ SET LOCK CODE ▶                      │
│                                      │
│                                      │
│ ▼ NEXT PAGE                 (3/3)    │
├─────────────────────────────────────┤
│ ⬍ SELECT ◄► OPERATE       MENU EXIT  │
└─────────────────────────────────────┘
```
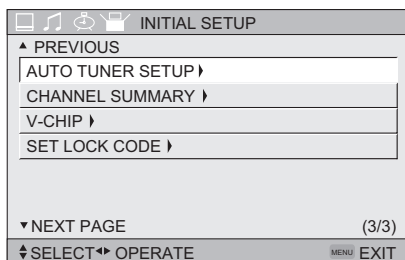
Note:

• Menus shown in this book are illustrations, not exact replications of the television's onscreen displays.

Onscreen Menus

The Onscreen Menu System

Your television comes with JVC's onscreen menu system. The onscreen menus let you make adjustments to your television's operation simply and quickly. Examples of the onscreen menus are shown on the next page. Detailed explanations on using each menu follow later in this guide

The Onscreen Menu System

To open the onscreen menu system, press the MENU button on the remote control. You navigate within the onscreen menus by using the four directional arrow buttons on the remote control. (These buttons are also the CH +/– and VOL +/– buttons. Channel and volume functions will not operate when the onscreen menu is active).

The selected feature and option on a menu screen are highlighted in a different color.

Selected Option (Green) → LANGUAGE   ENG. FRAN. ESP.
CLOSED CAPTION ▶   **Selected Option (Blue)**

To move to a different feature use the ▲ ▼ arrows to move up or down the list. When you press the up arrow at the top of the list or the down arrow at the bottom, the next menu screen will appear. Use the arrows ◄ ► to select an option from the highlighted feature. Pressing MENU on the remote control will close the onscreen menu system and return you to normal television viewing.

Each menu and its features will be discussed in the following pages of this guide.

Notes:
- If you do not press any buttons for a few seconds, the onscreen menu will automatically shut off.
- Button names in this guide are shown in SMALL CAPITAL LETTERS.
- Menus may appear in different sizes onscreen depending on the aspect ratio selected.
- Some menu items may not appear in menu screens when certain aspect ratios or inputs are selected.

Press the MENU button

INITIAL SETUP 03

```
□ ♫ ☾ ⏰   INITIAL SETUP
▲ PREVIOUS
  AUTO TUNER SETUP ▶
  CHANNEL SUMMARY ▶
  V-CHIP ▶
  SET LOCK CODE ▶

▼ NEXT PAGE                    (3/3)
⬍ SELECT ◆▶ OPERATE       MENU EXIT
```

INITIAL SETUP 03

PICTURE ADJUST 01

```
□   PICTURE ADJUST        ♫ ☾ ⏰
▲ PREVIOUS          STANDARD
  TINT       ◀ 00 ▶  ════╤════
  COLOR      ◀ 00 ▶  ════╤════
  PICTURE    ◀ 00 ▶  ════╤════
  BRIGHT     ◀ 00 ▶  ════╤════
  DETAIL     ◀ 00 ▶  ════╤════
  ENERGY SAVER MODE ▶
▼ NEXT PAGE                    (1/2)
⬍ SELECT ◆▶ OPERATE       MENU EXIT
```

PICTURE ADJUST 01

PICTURE ADJUST 02

```
□   PICTURE ADJUST        ♫ ☾ ⏰
▲ PREVIOUS          STANDARD
  COLOR TEMPERATURE       ◀ LOW ▶
  DIG. NOISE CLEAR ▶        OFF
  NATURAL CINEMA ▶         AUTO


  RESET
▼ NEXT PAGE                    (2/2)
⬍ SELECT ◆▶ OPERATE       MENU EXIT
```

PICTURE ADJUST 02

SOUND ADJUST

```
□ ♫   SOUND ADJUST          ☾ ⏰
▲ PREVIOUS
  BASS      ◀ 00 ▶  ════╤════
  TREBLE    ◀ 00 ▶  ════╤════
  BALANCE   ◀ 00 ▶  ════╤════
  MTS            STEREO  SAP  MONO

  RESET
▼ NEXT PAGE
⬍ SELECT ◆▶ OPERATE       MENU EXIT
```

SOUND ADJUST

Note:

• When the Menu button on the TV side panel is pressed, the FRONT PANEL CONTROL menu between INITIAL SETUP 03 and PICTURE ADJUST will appear.

INITIAL SETUP 02

```
□ ♫ ☾ ⏰   INITIAL SETUP
▲ PREVIOUS
  LANGUAGE        ENG. FRAN. ESP.
  CLOSED CAPTION ▶
  AUTO SHUT OFF          ◀ OFF ▶
  XDS ID                 ◀ ON ▶

▼ NEXT PAGE                    (2/3)
⬍ SELECT ◆▶ OPERATE       MENU EXIT
```

INITIAL SETUP 02

INITIAL SETUP 01

```
□ ♫ ☾ ⏰   INITIAL SETUP
▲ PREVIOUS
  NOISE MUTING           ◀ ON ▶
  FRONT PANEL LOCK       ◀ OFF ▶
  POSITION ADJUSTMENT ▶
  POWER INDICATOR        ◀ OFF ▶

▼ NEXT PAGE                    (1/3)
⬍ SELECT ◆▶ OPERATE       MENU EXIT
```

INITIAL SETUP 01

CLOCK/TIMERS

```
□ ♫ ☾   CLOCK / TIMERS        ⏰
▲ PREVIOUS
  SET CLOCK ▶
  ON / OFF TIMER ▶




▼ NEXT PAGE
⬍ SELECT ◆▶ OPERATE       MENU EXIT
```

CLOCK/TIMERS

Initial Setup

Auto Tuner Setup

If you have already run the Auto Tuner as part of the quick setup earlier in this guide, please skip ahead to "Channel Summary" to continue setting up your television.

Press the MENU button

▲▼ To AUTO TUNER SETUP

◄► To operate

◄► To choose CABLE or AIR

Press the OK button to start

```
🔓 AUTO TUNER SETUP

─────────────────────────────────
TUNER MODE                  ◄CABLE ►


         PRESS OK TO START
─────────────────────────────────
‡ SELECT ◄► OPERATE        MENU EXIT
```
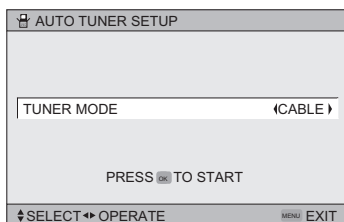
Programming will take approximately 1 to 2 minutes. The auto tuner is finished when the message **PROGRAMMING OVER!** appears onscreen.

Press the Menu button when finished

Channel Summary

Channel summary allows you to customize the line-up of channels received by your TV. You can add or delete channels from the line-up as you like or prevent any unauthorized viewers from watching any or all 181 channels.

Press the MENU button

▲▼ To CHANNEL SUMMARY

◄► To operate

The Channel summary screen will now be displayed with the channels set to scan marked with an "√". You can delete channels from the scan by removing the "√". If any channels were missed during auto tuner setup and you wish to add them, you may by placing an "√" next to the channel number.

```
🔓 CHANNEL SUMMARY
─────────────────────────────────
CHNO.  SCAN      🔒   CHNO.  SCAN      🔒
 01                    06    ✓
 02                    07    ✓
 03                    08
 04                    09    ✓
 05    ✓               10
─────────────────────────────────
◄‡► SELECT OK OPERATE          MENU EXIT
```

▲▼ ◄► To the SCAN column

Press the OK button to include or delete from scan

Press the MENU button when finished

You can block access to a channel by activating the channel lock.

Press the MENU button

▲▼ To CHANNEL SUMMARY

◄► To operate

▲▼ ◄► To the Lock Column (🔒)

Press the ZERO button to lock or unlock that channel

Press the MENU button when finished

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Channel Guard Message

When a viewer attempts to watch a guarded channel, the following message appears:

To watch a channel that you have locked, enter the
Lock Code using the 10 key pad.
If the wrong code is entered, the message
"INVALID LOCK CODE!" will flash on the screen.

The channel cannot be accessed until the correct code
is entered.

> THIS CHANNEL IS LOCKED BY
> CHANNEL GUARD.
> PLEASE ENTER LOCK CODE BY
> 10 KEY PAD TO UNLOCK IT.
>
> No. - - - -

Notes:

• Once a channel has been unlocked, it will remain unlocked until the television is turned off.
• See also "Set Lock Code", page 33.

V-Chip

Your TV is equipped with V-Chip technology which enables you to block channels or content
that you feel to be inappropriate for children, based on US and Canada rating guidelines.
V-Chip has no effect on video signals from DVD discs or Camcorder connection.

> **Note:** Some programs, and movies are broadcast without a ratings signal. Even if you set
> up V-CHIP ratings limits, these programs will not be blocked. See page 28 for information on
> how to block unrated programs.
>
> **Note (for Canadian viewers):** The V-Chip function is based on specifications designed for
> the United States and therefore may not work properly in Canada.

You can customize the V-Chip settings of your television to match your personal tastes. The
V-Chip menu below is the starting point for your V-Chip settings

You can use US V-Chip settings (for programming broadcast from the United States), Canadian
V-Chip settings (for programming broadcast from Canada), and movie ratings. You may use
any or all of the settings (US V-Chip, Canada V-Chip, Movie ratings). Descriptions for setting
each of the three V-Chip formats appear in the next six pages along with descriptions of the
rating categories.

To access the rating categories:

Press the MENU button

▲▼ To V-CHIP
◄► To operate (Lock icon 🔒 will appear)

Press ZERO to access the V-Chip menu

◄► To turn V-Chip ON or OFF (V-Chip must be
turned ON for rating settings to operate)

▲▼ To move to SET US TV RATINGS,
SET MOVIE RATINGS, or
SET CANADIAN RATINGS (see following
pages for descriptions of each item)

```
╔══════════════════════════════════╗
║ 🔒 V-CHIP                          ║
╟──────────────────────────────────╢
║ V-CHIP                   ◄ OFF ►  ║
║ SET US TV RATINGS ►               ║
║ SET MOVIE RATINGS ►               ║
║ SET CANADIAN RATINGS ENG ►        ║
║ SET CANADIAN RATINGS FRE ►        ║
║ UNRATED                 ◄ VIEW ►  ║
║                                   ║
╟──────────────────────────────────╢
║ ⬍ SELECT ◄► OPERATE      MENU EXIT║
╚══════════════════════════════════╝
```
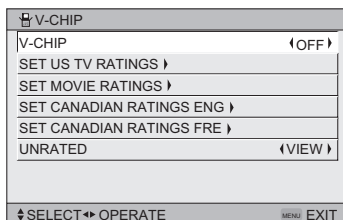
Initial Setup

Unrated Programs

Unrated programming refers to any programming which does not contain a rating signal. Programming on television stations which do not broadcast rating signals will be placed in the "Unrated Programming" category.

Examples of Unrated programs:

- Emergency Bulletins
- News
- Public Service Announcements
- Sports
- Some Commercials
- Locally Originated Programming
- Political Programs
- Religious Programs
- Weather

Note:

- TV programs or movies that do not have rating signals will be blocked if the unrated category is set to BLOCK.

Directions to Block Unrated Programs

You can block programs that are not rated.

(Menu)	Press the MENU button
▲▼	To V-CHIP
◄►	To operate (The lock icon 🔒 appears)
(Menu)	Press ZERO to access V-Chip setup options
▲▼	To UNRATED
◄►	To VIEW or BLOCK
(Menu)	Press MENU when done

```
📺 V-CHIP
V-CHIP                          ◄ OFF ►
SET US TV RATINGS ►
SET MOVIE RATINGS ►
SET CANADIAN RATINGS ENG ►
SET CANADIAN RATINGS FRE ►
UNRATED                        ◄ VIEW ►


‡ SELECT ◄► OPERATE        MENU  EXIT
```
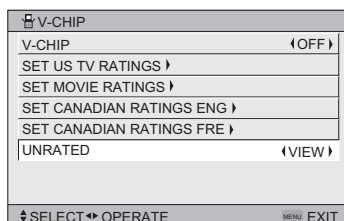
US V-Chip Ratings

U.S. PARENTAL RATING SYSTEMS

Programs with the following ratings are appropriate for children.

❏ **TV Y is Appropriate for All Children**
Programs are created for very young viewers and should be suitable for all ages, including children ages 2 - 6.

❏ **TV Y7 is for Older Children**
Most parents would find such programs suitable for children 7 and above. These programs may contain some mild fantasy violence or comedic violence, which children should be able to discern from reality.

Programs with the following ratings are designed for the entire audience.

❏ **TV G stands for General Audience**
Most parents would find these programs suitable for all age groups. They contain little or no violence, no strong language, and little or no sexual dialog or situations.

❏ **TV PG Parental Guidance Suggested**
May contain some, but not much, strong language, limited violence, and some suggestive sexual dialog or situations. It is recommended that parents watch these programs first, or with their children.

❏ **TV 14 Parents Strongly Cautioned**
Programs contain some material that may be unsuitable for children under the age of 14 including possible intense violence, sexual situations, strong coarse language, or intensely suggestive dialog. Parents are cautioned against unattended viewing by children under 14.

❏ **TV MA Mature Audiences Only**
These programs are specifically for adults and may be unsuitable for anyone under 17 years of age. TV MA programs may have extensive V, S, L, or D.

Viewing Guidelines

In addition to the ratings categories explained above, information on specific kinds of content are also supplied with the V-Chip rating. These types of content may also be blocked. The content types are:

- **V/FV** is for VIOLENCE/FANTASY VIOLENCE
- **S** stands for SEXUAL CONTENT
- **L** stands for strong LANGUAGE
- **D** stands for suggestive DIALOG

Initial Setup

Setting US V-Chip Ratings

(button)	Press the MENU button	

▲▼　　　　To V-CHIP
◄►　　　　To operate (lock icon 🔒 appears)

(button)　Press ZERO to access the V-Chip menu

◄►　　　　To turn V-Chip ON or OFF
▲▼　　　　To move to SET US TV RATINGS
◄►　　　　To operate

```
🔒 V-CHIP
V-CHIP                          ◄ OFF ►
SET US TV RATINGS ►
SET MOVIE RATINGS ►
SET CANADIAN RATINGS ENG ►
SET CANADIAN RATINGS FRE ►
UNRATED                         ◄ VIEW ►


 ↕ SELECT ◄► OPERATE            MENU EXIT
```
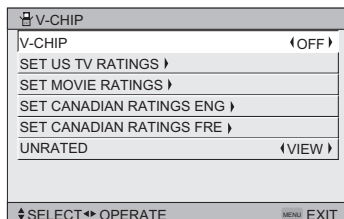
Directions to set US V-Chip Ratings

Line up the cursor in the column (TV PG, TV G, etc.) with the content row (V/FV, S, etc.) and press the ▲▼ or ◄► to move the cursor to the correct location. Press OK to turn the locking feature on or off. An item is locked if the 🔒 icon appears instead of a "—".

For example. To block viewing of all TV 14 shows, move the cursor to the top row of that column and add a lock icon. Once you've put a lock on the top row, everything in that column is automatically locked.

▲▼ ◄►　To the TV 14 Column

(button)　Press the OK button to lock

(button)　Press the MENU button when finished

Note:

• If you want to change the setup, move the cursor to the top column and change the lock icon to "—" by pressing OK again. You may then select individual categories to block.

```
🔒 SET US TV RATINGS

          TV  TV  TV  TV  TV  TV
          MA  14  PG  G   Y7  Y
           –  🔒  –   –   –   –
  V/FV     –  🔒  –       –
  S        –  🔒  –
  L        –  🔒  –
  D           🔒  –

 ◄↕► SELECT OK OPERATE          MENU EXIT
```
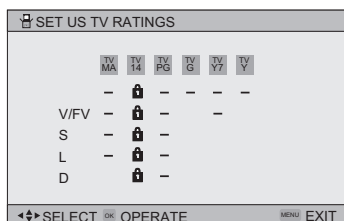
Movies Ratings

❒ **NR – Not Rated**
This is a film which has no rating. In many cases these films were imported from countries which do not use the MPAA ratings system. Other NR films may be from amateur producers who didn't intend to have their film widely released.

NR (Not Rated) Programming may contain all types of programming including children's programming, foreign programs, or adult material.

❒ **G – General Audience**
In the opinion of the review board, these films contain nothing in the way of sexual content, violence, or language that would be unsuitable for audiences of any age.

❒ **PG – Parental Guidance**
Parental Guidance means the movie may contain some contents such as mild violence, some brief nudity, and strong language. The contents are not deemed intense.

❒ **PG-13 – Parents Strongly Cautioned**
Parents with children under 13 are cautioned that the content of movies with this rating may include more explicit sexual, language, and violence content than movies rated PG.

❒ **R – Restricted**
These films contain material that is explicit in nature and is not recommended for unsupervised children under the age of 17.

❒ **NC-17 – No One Under 17**
These movies contain content which most parents would feel is too adult for their children to view. Content can consist of strong language, nudity, violence, and suggestive or explicit subject matter.

❒ **X – No One under 18**
Inappropriate material for anyone under 18.

Directions to set Movie (MPAA) Ratings

🖐	Press the MENU button
▲▼	To V-CHIP
◀▶	To operate (Lock icon 🔒 appears)
🖐	Press ZERO to access V-Chip setup options
▲▼	To SET MOVIE RATINGS
◀▶	To enter movies menu

For example:

To block viewing of X and NC-17 rated from shows:

▲▼ ◀▶	To the X Column
🖐	Press the OK button to lock
▲▼ ◀▶	To the NC-17 Column
🖐	Press the OK button to lock
🖐	Press the MENU button to finish

```
🔒 SET MOVIE RATINGS


        X  NC17  R  PG13  PG  G
        🔒  🔒   –   –    –   –

        NR
        –

◀◆▶ SELECT  OK OPERATE          MENU EXIT
```
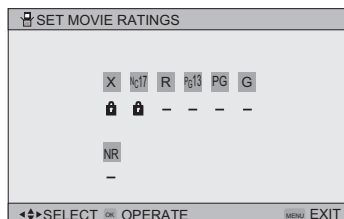
Initial Setup

Canadian V-Chip Ratings

❒ **E – Exempt**
Exempt programming includes: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.

❒ **C – Programming Intended for Children**
Violence Guidelines: There will be no realistic scenes of violence. Depictions of aggressive behavior will be infrequent and limited to portrayals that are clearly imaginary, comedic or unrealistic in nature.

❒ **C8+ – Programming Intended for Children 8 and Over**
Violence Guidelines: Any realistic depictions of violence will be infrequent, discreet, of low intensity and will show the consequences of the acts. There will be no offensive language, nudity or sexual content.

❒ **G – General Audience**
Programming will contain little violence and will be sensitive to themes which could affect younger children.

❒ **PG – Parental Guidance**
Programming intended for a general audience, but which may not be suitable for younger children. Parents may consider some content not appropriate for children aged 8-13.

❒ **14+ – 14 Years and Older**
Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens. Programming may contain mature themes and scenes of intense violence.

❒ **18+ – Adult**
Material intended for mature audiences only.

Directions to set Canadian V-Chip Ratings

🔲	Press the MENU button
▲▼	To V-CHIP
◄►	To operate (lock icon 🔒 appears)
🔲	Press ZERO to access V-Chip setup options
▲▼	To SET CANADIAN RATINGS ENG (for English)
◄►	To enter ratings menu

For example:

To block viewing of programming rated 14+ and 18+:

◄►	To the 18+ Column
🔲	Press the OK button to lock
◄►	To the 14+ Column
🔲	Press the OK button to lock
🔲	Press the MENU button to finish

```
┌─────────────────────────────────────┐
│ 🔒 SET CANADIAN RATINGS ENG          │
│                                       │
│                                       │
│      🔳  🔳  🔳  🔳  🔳  🔳          │
│      🔒  🔒  –  –  –  –               │
│                                       │
│                                       │
│ ◄♦► SELECT OK OPERATE        MENU EXIT│
└─────────────────────────────────────┘
```
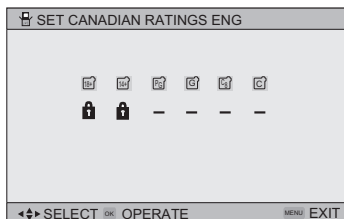
Note:
• For instructions on "SET CANADIAN RATINGS FRE (in French)", please see page 32 in the French side of this user's guide.

Set Lock Code

Channel guard and V-Chip settings are protected by a four-digit lock code. Your TV comes preset with a lock code of "0000". You may change the code to any four-digit number you wish. To change the lock code, follow the steps below.

Press the MENU button

▲▼　　　To SET LOCK CODE

◄►　　　To operate (lock icon 🔒 appears)

Press ZERO to access the lock code

The first digit will be highlighted

◄►　　　To select the number

▲▼　　　To move to the next digit
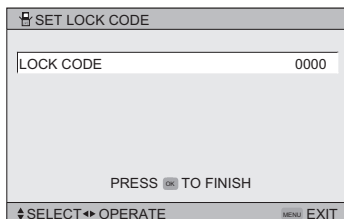
Continue to follow these directions for all four numbers

Press the OK button to finish (your lock code is now set)

Press the Menu button when finished

```
┌─────────────────────────────────────┐
│ 🔒 SET LOCK CODE                      │
│                                       │
│ ┌───────────────────────────────────┐ │
│ │LOCK CODE                     0000 │ │
│ └───────────────────────────────────┘ │
│                                       │
│                                       │
│                                       │
│           PRESS [OK] TO FINISH        │
│ ⬍SELECT◄► OPERATE            MENU EXIT │
└─────────────────────────────────────┘
```

When a viewer attempts to watch a blocked channel, this message appears:

```
┌─────────────────────────────────┐
│ THIS PROGRAMMING EXCEEDS         │
│ YOUR RATING LIMITS.              │
│ PLEASE ENTER LOCK CODE BY        │
│ 10 KEY PAD TO UNLOCK IT.         │
│         NO.  - - - -             │
└─────────────────────────────────┘
```

The channel will remain blocked until the correct lock code is entered (see above for information on setting your lock code).

Notes:

• After a power interruption you must reset the lock code.

• Write your lock code number down and keep it hidden from potential viewers.

• If you forget the lock code, a new code may be set using the steps listed above.

Initial Setup

Language

You can choose to view your onscreen menus in three languages: English, French (Français) or Spanish (Español).

(button)	Press the Menu button
▲▼	To LANGUAGE
◀▶	To choose a language: ENG. (English), FRAN. (French) or ESP. (Spanish)
(button)	Press the MENU button when finished

```
□ ♪ ⊕ ⌐     INITIAL SETUP
▲ PREVIOUS
 LANGUAGE                    ENG. FRAN. ESP.
 CLOSED CAPTION ▶
 AUTO SHUT OFF                      ◀OFF▶
 XDS ID                             ◀ON▶


▼ NEXT PAGE                             (2/3)
⬍ SELECT ◀▶ OPERATE          MENU EXIT
```
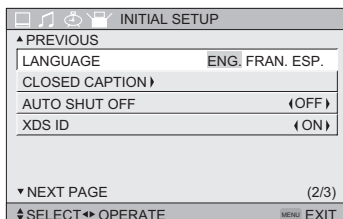
Closed Caption

Many broadcasts now include an onscreen display of dialog called closed captions. Some broadcasts may also include displays of additional information in text form. Your television can access and display this information using the closed caption feature. To activate the closed caption feature, follow the steps below.

(button)	Press the MENU button
▲▼	To CLOSED CAPTION
◀▶	To operate
◀▶	To select CAPTION, TEXT or OFF in MODE
▲▼	To select CAPTION or TEXT
◀▶	To select a caption (CC1 to CC4) or text channel (T1 to T4)
(button)	Press the OK button to save
(button)	Press the MENU button when finished

```
 🔲 CLOSED CAPTION

 MODE                              ◀TEXT▶
 CAPTION                            ◀CC1▶
 TEXT                               ◀ T1▶


          PRESS OK TO FINISH
⬍ SELECT ◀▶ OPERATE          MENU EXIT
```
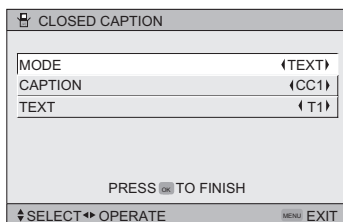
Notes:

• Closed caption subtitles are usually found on closed caption channel CC1. Some programs may include additional text information which is usually found on text channel T1. The other channels are available for future use.
• Closed captioning may not work correctly if the signal being received is weak or if you are playing a video tape.
• Most broadcasts containing closed captioning will display a notice at the start of the program.
• If you connect an external device and want to use closed caption, closed caption can not be displayed if you have connected your device using "Component" or "S-Video" input. If you want to be able to view closed caption, connect your device using the "Video (composite video)" input.
• Closed Caption may not fit on the screen at the top or bottom if you are watching a program in CINEMA aspect mode, or depending on the format of the software (DVD, VHS, etc.)

Auto Shut Off

This function automatically shuts off your TV when there is no signal from the channel the TV is on.

Press the MENU button

▲▼   To AUTO SHUT OFF
◄►   To turn ON or OFF

Press the MENU button when finished

• If the channel that you have on does not receive a signal for more than one minute, the blinking text "NOT RECEIVING A SIGNAL AUTO SHUT OFF IN 9 MIN." appears on the screen, and starts the countdown. If no signal is being received within 10 minutes, the TV shuts itself off.

```
□ ♫ ☼ 🖵   INITIAL SETUP
▲ PREVIOUS
  LANGUAGE              ENG. FRAN. ESP.
  CLOSED CAPTION ▶
  AUTO SHUT OFF              ◀ OFF ▶
  XDS ID                     ◀ ON ▶


▼ NEXT PAGE                    (2/3)
‡ SELECT ◀▶ OPERATE       MENU EXIT
```
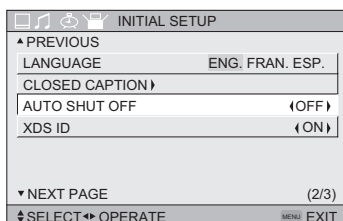
XDS ID

XDS ID Display provides a channel's call letters, the network's name, and even a program name. The XDS ID information is provided by the broadcaster.

Press the MENU button

▲▼   To XDS ID
◄►   To turn ON or OFF

Press the MENU button when finished

```
□ ♫ ☼ 🖵   INITIAL SETUP
▲ PREVIOUS
  LANGUAGE              ENG. FRAN. ESP.
  CLOSED CAPTION ▶
  AUTO SHUT OFF              ◀ OFF ▶
  XDS ID                     ◀ ON ▶


▼ NEXT PAGE                    (2/3)
‡ SELECT ◀▶ OPERATE       MENU EXIT
```
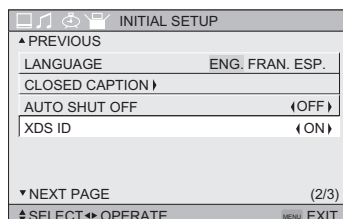
Noise Muting

This feature inserts a blank gray screen over channels which are not broadcasting or are too weak to be received clearly.

Press the MENU button

▲▼   To NOISE MUTING
◄►   To turn noise muting ON or OFF

Press the MENU button when finished
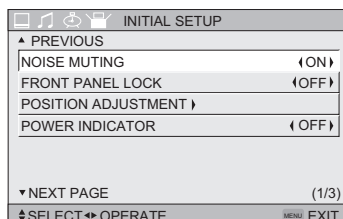
Note:
• Noise muting will not work during auto tuner setup or when you operate channel summary.

```
□ ♫ ☼ 🖵   INITIAL SETUP
▲ PREVIOUS
  NOISE MUTING               ◀ ON ▶
  FRONT PANEL LOCK           ◀ OFF ▶
  POSITION ADJUSTMENT ▶
  POWER INDICATOR            ◀ OFF ▶


▼ NEXT PAGE                    (1/3)
‡ SELECT ◀▶ OPERATE       MENU EXIT
```

Initial Setup

Front Panel Lock

This allows you to lock the keys on the front of the TV, so that a child may not accidentally change your viewing preferences.

(Menu) Press the MENU button

▲▼ To FRONT PANEL LOCK
◄► To turn ON or OFF

(Menu) Press the MENU button when finished
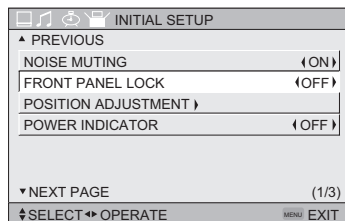
You can turn off this feature in the following ways:

```
┌─────────────────────────────────────┐
│ □ ♫ ⏻ ▭   INITIAL SETUP             │
│ ▲ PREVIOUS                           │
│   NOISE MUTING              ◄ ON ►   │
│   FRONT PANEL LOCK          ◄ OFF ►  │
│   POSITION ADJUSTMENT ►              │
│   POWER INDICATOR           ◄ OFF ►  │
│                                      │
│                                      │
│ ▼ NEXT PAGE                  (1/3)   │
│ ↕ SELECT ◄► OPERATE       MENU EXIT  │
└─────────────────────────────────────┘
```

• Unplug the power cord, and plug it back in. Do this if your batteries die, or you lose your remote control.

• Use the remote control.

• Press the MENU button on the front of the TV for more than 3 seconds. In this case, the OSD for FRONT PANEL LOCK will appear.

Note:

• To turn ON/OFF the TV, press the power button for more than 3 seconds. This feature will remain ON.

Position Adjustment

Position adjustment allows you to adjust the position of the picture on the screen vertically when the aspect is set to panorama, cinema, or full.

(Menu) Press the MENU button

▲▼ To POSITION ADJUSTMENT
◄► To enter
▲▼ ◄► To adjust the position

(Menu) Press the MENU button to finish

```
┌─────────────────────────────────────┐
│                 ▲                    │
│                                      │
│                                      │
│                                      │
│                                      │
│                 ▼                    │
│ ◄↕► OPERATE   OK RESET    MENU EXIT  │
└─────────────────────────────────────┘
```
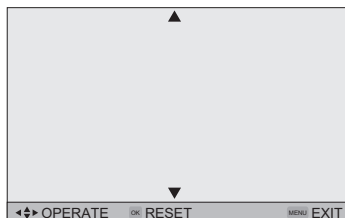
Notes:

• To reset the adjustment to the center, press the OK button.
• When the arrow disappears, while you are adjusting the position, the position is at it's maximum limit.
• If you select regular size with aspect, position adjustment option is not seen.
• When you change the screen size, perform the position adjustment again.

Power Indicator

Power indicator allows you to adjust the brightness of the power indicator

Press the MENU button

▲▼ To POWER INDICATOR
◄► To adjust POWER INDICATOR LOW, HIGH or OFF

Notes :
• When OFF is selected :
  The LED disappears if you have a TV signal.
  The LED is lit as "LOW" when there is no TV signal.

• When the On Timer turns ON, the LED is lit as "LOW" when you turn the power off.

□ ♫ ⏲ 🛒 INITIAL SETUP	
▲ PREVIOUS	
NOISE MUTING	◄ ON ►
FRONT PANEL LOCK	◄ OFF ►
POSITION ADJUSTMENT ►	
POWER INDICATOR	◄ OFF ►
▼ NEXT PAGE	(1/3)
⬍ SELECT ◄► OPERATE	MENU EXIT
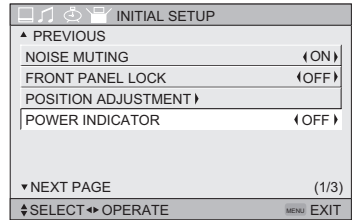
Picture Adjust

Picture Settings

These settings allow you to change and adjust the way the picture appears on your television.

TINT
Tint allows you to adjust the levels of red and green in your TV picture.

COLOR
The color function lets you make all the colors in the TV picture appear either more vivid or subtle.

PICTURE
Picture allows you to adjust the levels of black and white on the TV screen, giving you a darker or brighter picture overall.

BRIGHT
You can adjust the overall brightness of the TV picture with the Bright control.

DETAIL
The Detail feature adjusts the level of fine detail displayed in the picture.

ENERGY SAVER MODE
The energy saver mode adjusts the level of brightness on the TV screen.

Adjust the Picture Settings

🖐	Press the MENU button	
▲▼	To TINT, COLOR, PICTURE, BRIGHT, DETAIL or ENERGY SAVER MODE	
◄ ►	To enter	
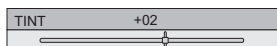
```
TINT            +02
```

◄ ►	To adjust the setting
▲▼	To move to the next setting
🖐	Press the MENU button when finished

```
┌─────────────────────────────────────┐
│ ☐  PICTURE ADJUST          ♫ ☺ 🗑    │
│ ▲ PREVIOUS         STANDARD          │
│ TINT       ◄ 00 ►  ═══════╤════════  │
│ COLOR      ◄ 00 ►  ═══════╤════════  │
│ PICTURE    ◄ 00 ►  ═══════╤════════  │
│ BRIGHT     ◄ 00 ►  ═══════╤════════  │
│ DETAIL     ◄ 00 ►  ═══════╤════════  │
│ ENERGY SAVER MODE ►                  │
│ ▼ NEXT PAGE                  (1/2)   │
│ ⬍ SELECT ◄► OPERATE     MENU  EXIT   │
└─────────────────────────────────────┘
```
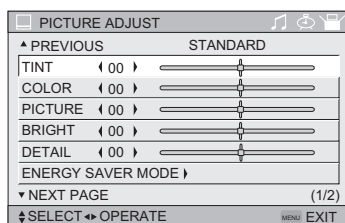
Picture Adjust

Color Temperature

You can decide how strong or dull the colors appear on the TV screen.

👆   Press the MENU button

▲▼   To COLOR TEMPERATURE
◄►   To enter

| COLOR TEMPERATURE | LOW | HIGH |

◄►   To set LOW or HIGH

👆   Press the MENU button when finished

```
┌─────────────────────────────────────┐
│ ▢  PICTURE ADJUST          ♫ ☺ 🛒   │
│ ▲ PREVIOUS            STANDARD       │
│ COLOR TEMPERATURE           ◄ LOW ►  │
│ DIG. NOISE CLEAR ►             OFF   │
│ NATURAL CINEMA ►              AUTO   │
│                                      │
│ RESET                                │
│ ▼ NEXT PAGE                  (2/2)   │
│ ⬍ SELECT ◄► OPERATE      MENU EXIT   │
└─────────────────────────────────────┘
```

Digital Noise Clear

With digital noise clear, this helps take our static or noise from a channel that may not be coming in clearly.

👆   Press the MENU button

▲▼   To DIG. NOISE CLEAR
◄►   To enter
▲▼   To select the mode "LOW", "HIGH" or "OFF"

👆   Press the MENU button when finished

DIG. NOISE CLEAR
OFF
LOW
HIGH

Natural Cinema

Natural cinema corrects the problem of blurred edges which may occur when viewing a program originally shot on film (such as motion pictures) or animation. If you notice blurring at the edges of these programs, choose NATURAL CINEMA and set it to AUTO. Natural Cinema helps correct conversion errors that occur when film, which is shot at 24 frames-per-second, is broadcast at the television rate of 30 frames-per-second.

👆   Press the MENU button

▲▼   To NATURAL CINEMA
◄►   To enter
▲▼   To select the mode "AUTO" or "OFF"

👆   Press the MENU button when finished

NATURAL CINEMA
AUTO
OFF

Picture Adjust

Reset

Reset resets all picture adjustments (tint, color, picture, bright, detail, color temperature and dig. noise clear) at once to the default settings.

Press the MENU button

▲▼　To RESET
◄►　To enter

The onscreen menu disappears for a moment, and then the settings are reset to the default setting for all the picture adjustments.

Press the MENU button when finished

```
┌─────────────────────────────────────┐
│ ☐  PICTURE ADJUST          ♫ ⏲ 🖼   │
│ ▲ PREVIOUS          STANDARD         │
│ COLOR TEMPERATURE           ◄ LOW ►  │
│ DIG. NOISE CLEAR ▶            OFF     │
│ NATURAL CINEMA ▶            AUTO      │
│                                      │
│ RESET                                │
│ ▼ NEXT PAGE                  (2/2)   │
│ ⬍ SELECT ◄► OPERATE       MENU EXIT  │
└─────────────────────────────────────┘
```
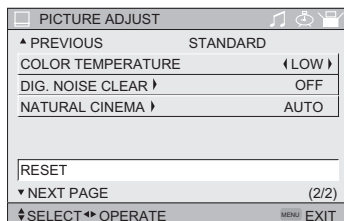
Sound Adjust

Sound Settings

These settings allow you to change and adjust the sound on your television.

BASS – You can increase or decrease the level of low-frequency sound in the TV's audio with the bass adjustment.

TREBLE – Use treble to adjust the level of high-frequency sound in your TV's audio.

BALANCE – Adjust the level of sound between the TV's left and right speakers with the balance setting.

Adjust the Sound Settings

Press the MENU button

▲▼   To BASS, TREBLE or BALANCE
◄ ►   To adjust the setting
▲▼   To move to the next setting

Press the MENU button when finished

```
□ ♫   SOUND ADJUST              ⊕ 冒
  ▲ PREVIOUS
  BASS        ◄ 00 ►  ═══════╪═════
  TREBLE      ◄ 00 ►  ═══════╪═════
  BALANCE     ◄ 00 ►  ═══════╪═════
  MTS                  STEREO  SAP  MONO

  RESET
  ▼ NEXT PAGE
  ⬍ SELECT ◄► OPERATE         MENU  EXIT
```
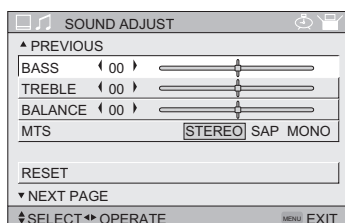
Note:

• You can reset the sound adjustments (BASS, TREBLE and BALANCE) you set at once as the default setting when you select reset. See page 40.

MTS (Multi-Channel Television Sound)

MTS technology allows several audio signals to be broadcast at once, giving you a choice in what you wish to hear with a TV program. In addition to mono or stereo sound, an MTS broadcast may also include a second audio program (SAP).

Press the MENU button

▲▼   To MTS
◄►   Select the mode

(The ON AIR arrow tells you if a broadcast is in stereo and/or contains an SAP).

Press the MENU button when finished

```
Ⅲ ⬚   SOUND ADJUST              ⊙ 冒
  ▲ PREVIOUS
  BASS        ◄ 00 ►  ═══════╪═════
  TREBLE      ◄ 00 ►  ═══════╪═════
  BALANCE     ◄ 00 ►  ═══════╪═════
  MTS                  STEREO  SAP  MONO

  RESET
  ▼ NEXT PAGE
  ⬍ SELECT ◄► OPERATE         MENU  EXIT
```
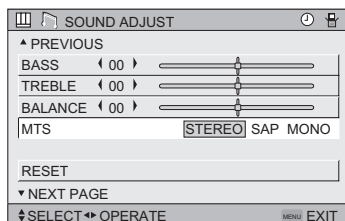
Notes:

• Keep the TV in stereo mode to get the best sound quality. The sound will work in stereo mode even if a certain broadcast is in mono sound only.
• Choose the mono setting to reduce excessive noise on a certain channel or broadcast.
• Selecting SAP will allow you to hear an alternative soundtrack, if one is available.
• MTS unavailable if your television's input source is in input 1, 2, 3 or 4 mode, as described on page 45.

Reset

Reset resets all Sound Adjustments (Bass, Treble and Balance) at once to the default settings. See page 40 on how to use reset.

41

Clock/Timers

Set Clock

Before you use any of your TV's timer functions, you must first set the clock. You may precisely set your clock using the XDS time signal broadcast by most public broadcasting stations. If you do not have this in your area, you will have to set the clock manually. See manual clock set below. To set the clock using the XDS signal:

Press the MENU button

▲▼   To SET CLOCK

◄►   To operate

When you set the clock automatically, choose AUTO by pressing the ◄ or ► arrows.

▲▼   To TIME ZONE

◄►   To select your time zone

      → ATLANTIC ←→ EASTERN ←→ CENTRAL ←→ MOUNTAIN ←
         → HAWAII ←→ ALASKA ←→ PACIFIC ←
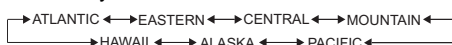
▲▼   To D.S.T. (daylight savings time)

◄►   To turn D.S.T. ON or OFF

Press OK to finish

Press the MENU button when finished

⏰ SET CLOCK	
MODE	◄ AUTO ►
TIME	-- : --
TIME ZONE	◄ ATLANTIC ►
D.S.T.	◄ ON ►
PRESS OK TO FINISH	
⬍ SELECT ◄► OPERATE	MENU EXIT

When you set the clock manually, choose MANUAL by pressing the ◄ or ► arrows.

▲▼   To move to the hour

◄►   To set the hour

▲▼   To move to minutes

◄►   To set the minutes

Press OK to start clock

    THANK YOU !!

Press the MENU button when finished

⏰ SET CLOCK	
MODE	◄ MANUAL ►
TIME	-- : -- --
TIME ZONE	◄ ATLANTIC ►
D.S.T.	◄ ON ►
PRESS OK TO START CLOCK	
⬍ SELECT ◄► OPERATE	MENU EXIT

Notes:

• D.S.T. can be used only for US and Canada when it is set to ON in the SET CLOCK menu.

• Only when the MODE set to AUTO, the Daylight Savings Time feature automatically adjusts your TV's clock for Daylight Savings. The clock will move forward one hour at 2:00 am on the first Sunday in April. The clock will move back one hour at 2:00 am on the last Sunday in October.

• You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

Clock/Timers

On/Off Timer

The on/off timer lets you program your television to turn itself on or off. You can use it as an alarm to wake up, to help you remember important programs, or as a decoy when you're not home.

🖱	Press the MENU button	
▲▼	To ON/OFF TIMER	
◄►	To operate (begins with ON TIME)	
◄►	To set the hour (AM/PM) you want the TV to turn on	
▼	To move to minutes	
◄►	To set the minutes	

⏲ ON/OFF TIMER	
ON TIME	7:00 PM
OFF TIME	10:00 PM
CHANNEL	03
ON VOLUME	CURRENT
MODE	◄ EVERYDAY ►
ON/OFF TIMER	◄ NO ►

PRESS 🆗 TO FINISH

‡ SELECT ◄► OPERATE   MENU EXIT

▼ To accept ON TIME and move to OFF TIME (the time the TV will turn off). Set the OFF TIME the same way as ON TIME

▼ To accept OFF TIME and move to CHANNEL

◄► To select channel

▼ To ON VOLUME

◄► To set the volume level

▼ To move to MODE

◄► Choose ONCE or EVERYDAY

▼ To ON/OFF TIMER

◄► Choose YES to accept the timer setting, choose NO if you don't wish to accept

🖱 Press the OK button to finish

🖱 Press the MENU button to exit the menu

Notes:

• The on/off time cannot be set to locked or guarded channels.

• In order for the on/off timer to work, the clock must be set.

• After a power interruption, the timer settings must be reset.

Button Functions

Power

Turns the TV on or off.

Press the POWER button

Number Buttons - 10Key Pad

Use the number buttons on the remote control to move directly to a specific channel. For example, to move to channel 12:

1 (One)

2 (Two)

100+ Button

Use the 100+ button to directly access channels above channel 99. For example, to move to channel 124, press 100+, 2 (Two), 4 (Four).

Channel +/–

Use these buttons to move up or down all the available channels your TV is able to receive.

Volume +/–

Use these buttons to raise or lower the TV's volume level.

Muting

The MUTING button instantly turns the volume down completely when you press it. Press MUTING and the volume level will instantly go to zero. To restore the volume to its previous level, press MUTING again.

Menu

The MENU button allows you to access JVC's onscreen menu system. Press MENU to activate the onscreen menu system.

• See individual topics like "Sound Adjust" for specific information on using menus.

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Return +

The RETURN+ button has two functions:

Return - Returns to the channel viewed just before the channel currently onscreen.

Return+ - Lets you program a specific channel to return to while scanning through the channels using the CH+ and CH– buttons.

RETURN+ and hold for three seconds

> RETURN CHANNEL
> PROGRAMMED!

The channel currently active has been programmed as your return+ channel. Now scan through the channels using the CHANNEL+/– buttons.

RETURN+

You will return to your programmed channel.

- To cancel your return+ channel, press and hold the RETURN+ button for three seconds. The message "RETURN CHANNEL CANCELLED!" will appear.
- Return+ works only with the Channel+/– buttons. Pressing any number key will cancel return+.

Input

Selects the signal input source for the television: VIDEO-1, VIDEO-2 or VIDEO-3 for video devices like VCRs, DVD players, or camcorders.

Press the INPUT button

Notes:

- You can also select the input by pressing the INPUT button on the side of the TV instead of the remote control.

Button Functions

Display

The display screen shows the current status of timers, inputs, and XDS ID.

Press the DISPLAY button

The screen to the right shows the following information:

- The current channel or AV input (Channel 05)
- The current time (12:20 pm)
- Sleep timer status/minutes remaining (The Sleep Timer is off)
- On/off timer status (Set to turn on everyday at 7:00 PM, off at 10:00 PM)
- Each Press of the DISPLAY button changes the display mode:

```
05  KLVX  PBS
JAZZ FESTIVAL
NOW                          12:20 PM
SLEEP TIMER                       OFF
ON/OFF TIMER                 EVERYDAY
  ON TIME                     7:00 PM
  OFF TIME                   10:00 PM
```

→Display ⟶ →Time ⟶ →Channel ⟶ →Off →

Display - Full screen shown above

Time - Shows the current time only

Channel - Shows the current channel

Off - Turns display off

Notes:

- You may also turn off the display at any step by pressing MENU.

- If the clock, sleep timer or on/off timer are not set, the display screen will show: "CLOCK NOT SET", "SLEEP TIMER OFF", and "ON/OFF TIMER OFF" respectively.

Sleep Timer

The Sleep Timer can turn the TV off for you after you fall asleep. Program it to work in intervals of 15 minutes, for a total time of up to 180 minutes.

Press the SLEEP TIMER button

→ 0 15 30 45 60 75 90 105 120 135 150 165 180 →

Sleep Timer Message

60 seconds before the automatic shutoff, this message will appear:

> GOOD NIGHT!
> PUSH SLEEP TIMER BUTTON
> TO EXTEND.

You then have 60 seconds to press the SLEEP TIMER button to delay the shut off for another 15 minutes.

Sound

Hyper Surround - Creates a deep, three-dimensional sound effect by channeling the audio through the TV's front-firing speakers.

Press the SOUND button

▲▼   To select HYPER SURROUND
◄►   To choose the setting
            Press the MENU when finished

```
SOUND EFFECT
HYPER SURROUND                    ON  OFF



 SELECT ◄► OPERATE              MENU EXIT
```

Video Status

The VIDEO STATUS button gives you a choice of four TV picture display settings, including a display of your own preferences.

Standard - Resets the picture display to the factory settings.

Dynamic - Gives a vivid picture with better contrast when viewing in a brightly lit room.

Theater - Gives a rich, film-like look to video when viewing in a dimly lit room.

Game - Used for when you are playing video games connected to your TV.

```
VIDEO STATUS
STANDARD
DYNAMIC
THEATER
GAME
```

Press the VIDEO STATUS button
By every press of the VIDEO STATUS button, you change the mode.

Note:

• You can also change the mode by pressing the ▲▼ buttons.
• You can also access the FRONT PANEL CONTROL screen by using the MENU button on the side of the TV instead of the remote control. It appears between INITIAL SETUP and PICTURE ADJUST screen, and it has VIDEO STATUS and ASPECT menus. Choose VIDEO STATUS by pressing MENU ▼ on the side panel and choose a mode by using the CHANNEL +/- buttons (◄ OPERATE ►).

TheaterPro D6500K

The TheaterPro D6500K color temperature technology function makes sure that the video you watch is set to the standard color temperature, so that what you see is as true to what the film to video editors intended it to be.

Press the THEATERPRO button

OK

This button confirms your selection when you are in one of the onscreen menus.

Back

This button allows you to go back in the menu to change a selection or correct a mistake.

47

Button Functions

Aspect

This feature will help you adjust the picture you are watching to give you the best possible picture quality.

Press the ASPECT button

• *By pressing the ASPECT button, you can change the size.*

→ PANORAMA ←→ CINEMA ←→ FULL ←→ REGULAR ←

When you change the aspect ratios, it is different from their broadcast or recorded program.

Aspect Ratios

PANORAMA - With this ratio a normal 4:3 aspect picture is stretched to fit the dimensions of the 16:9 aspect screen.
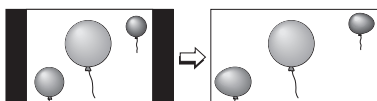
CINEMA - This ratio "zooms in" on the center part of a 4:3 aspect picture, blowing it up to fill the 16:9 screen.

FULL - This is the ratio to use when watching 16:9 High-Definition broadcasts.
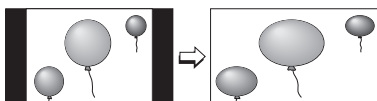
REGULAR - The regular ratio is used when you want to watch a 4:3 broadcast or recorded program without modifying the original picture to fit the dimensions of your 16:9 screen. The 4:3 picture will fill the screen from top to bottom, while black bars will appear to fill up the remaining space along the picture's sides. The 4:3 picture will be centered within the boundaries of the 16:9 screen.
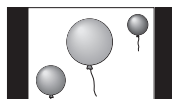
Notes:

• You can also access the FRONT PANEL CONTROL screen by using the MENU button on the side of the TV instead of the remote control. It appears between INITIAL SETUP and PICTURE ADJUST screen, and it has VIDEO STATUS and ASPECT menus. Choose ASPECT by pressing MENU ▼ on the side panel and choose a mode by using the CHANNEL +/- buttons (◄ OPERATE ►).

Button Functions

TV/CATV Slide Switch

Use either the television's own tuner or a cable box to select channels. Set this switch to **TV** to operate the television's built-in tuner. Move the switch to **CATV** to operate a cable box.

Note:

• See page 19 for information on programming your remote for cable box operation.

VCR/DVD Slide Switch

You can control a VCR or DVD player with the buttons on the lower part of the remote control. Move the slide switch to **VCR** or **DVD** to operate.

Notes:

• The remote is preset with the code 000 to control JVC-brand VCR's. For any other manufacturer's brand VCR, please see the code chart and instructions on page 20.

• The remote is preset with the code 000 to control JVC-brand DVD players. For any other manufacturer's brand DVD player, please see the code chart and instructions on page 21.

VCR Buttons

You can use this remote control to operate the basic functions of your VCR. These functions include: play, record, rewind, fast-forward, stop, pause, channel scan, TV/VCR, power on, and power off.

Move the selector switch to **VCR** to operate.

• The remote is preset with the code 000 to control JVC-brand VCR's. For any other manufacturer's brand VCR, please see the code chart and instructions on page 20.

DVD Buttons

You can also use this remote control to operate the basic functions of your DVD player. These functions include: play, rewind, fast-forward, stop, still/pause, previous/next, tray open/close, power on, and power off.

Move the selector switch to **DVD** to operate.

• The remote is preset with the code 000 to control JVC-brand DVD players. For any other manufacturer's brand DVD player, please see the code chart and instructions on page 21.

No Program

If the TV channel you selected, or were watching is not receiving a signal, "NO PROGRAM" appears on the television screen. It appears when that channel is not receiving a signal and you have the Noise Muting function OFF and you have a single screen. It moves automatically every two seconds.

Note:

• Even if "NO PROGRAM" appears on the screen, your timer functions and auto shut off functions that you set, are still active.

Troubleshooting

PROBLEMS	CHECK
There is no power	• See if the power cord became unplugged. • Check for a blown fuse or circuit breaker or a power outage.
There is no picture or sound	• The antenna could be disconnected. • The input mode could be set improperly. See page 45. • The tuner (Auto Tuner Setup) could be set improperly. See page 26. • The TV station may be having difficulties. Check to see if other stations are working.
Remote control is not operating properly or at all	• Check to see that the batteries are still working and properly installed. • Make sure the remote has a clear sight path to the TV. • Check that the TV/CATV switch is in the proper position. • You may be too far from the TV. You must be within 23 feet (7 meters).
You cannot select a certain channel	• Make sure the channels have been programmed. See "Channel Summary", page 26. • Check to see if the channel is locked. See "Channel Summary - Lock" page 27.
The power turns off by itself	• Make sure the set did not become unplugged. • Perhaps the On/Off Timer is set. See page 43. • Check to see if the Sleep Timer was set. See page 46.
The clock is wrong	• The power was interrupted and the clock was not reset. See page 42.
The color quality is poor	• Tint and Color may be improperly adjusted. See page 38. • The Video Status mode may be turned to the wrong setting. See page 47.
There are lines across the picture	• There could be interference from another electrical appliance, such as a computer, another TV or VCR. Move any such appliances further away from the TV.
The picture is spotted	• There could be interference from a high-wattage appliance, like a hairdryer or vacuum, operating nearby. Move the antenna away from the appliance or change to a coaxial cable connection which is less prone to interference.
There are double pictures (ghosts)	• A building or passing airplane can reflect the original signal and produce a second, slightly delayed one. Adjust your antenna position.
Picture is snowy (image noise)	• Your antenna may be damaged, disconnected or turned. Check the antenna connection. If the antenna is damaged, replace it.
Screen is 40% black	• The Closed Caption Text mode is on. Turn it off in the Closed Caption Menu, page 34.
Stereo or bilingual programs can't be heard	• Make sure the MTS settings are correct. See "MTS" on page 41.
Static electricity	• It is normal to feel static electricity if you brush or touch the screen.
You hear occasional crackling sounds	• It is normal for the TV to make crackling sounds when first turned on or off. Unless the sound or picture become abnormal, this is fine.

JVC®   LIMITED WARRANTY   COLOR TV 1-1

For Canadian model televisions, see separate sheets for Canadian Warranty information.

JVC COMPANY OF AMERICA (JVC) warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL RETAIL PURCHASER to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original purchase for the period shown below. ("The Warranty Period")
FOR DIRECT-VIEW COLOR TELEVISION, PICTURE TUBE is covered for Two(2)years.

Parts	Labor
1 YEAR	**1** YEAR

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN THE COMMONWEALTH OF PUERTO RICO.

WHAT WE WILL DO:
If this product is found to be defective within the warranty period, JVC will repair or replace defective parts with new or rebuilt equivalents at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products may be brought to a JVC authorized service center on a carry-in basis. Color televisions with a screen size of 27" or greater qualify for in-home service. In such cases, a technician will come to your home and either repair the TV there or remove and return it if it cannot be repaired in your home.

WHAT YOU MUST DO FOR WARRANTY SERVICE:
Please do not return your product to the retailer
Instead, return your product to the JVC authorized service center nearest you. If shipping the product to the service center, please be sure to package it carefully, preferably in the original packaging, and include a brief description of the problem(s). Please call 1-800-252-5722 to locate the nearest JVC authorized service center. Service locations can also be obtained from our website http://www.jvc.com. If your product qualifies for in-home service, the service representative will require clear access to the product.

If you have any questions concerning your JVC Product, please contact our Customer Care Center at 800-252-5722

WHAT IS NOT COVERED:
This limited warranty provided by JVC does not cover:
1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model or serial number has been altered, tampered with, defaced or removed;
2. Initial installation, installation and removal from cabinets or mounting systems.
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
6. Video Pick-up Tubes/CCD Image Sensors are covered for 90 days from the date of purchase;
7. Accessories;
8. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase);
9. Products used for commercial purposes, including, but not limited to rental.

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR ANY LOSS OF USE OF THE PRODUCT, INCONVIENCE, OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JVC COMPANY OF AMERICA   1700 Valley Road
DIVISION OF JVC AMERICAS CORP.   Wayne, NJ 07470
http://www.jvc.com

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAIL OF REFURBISHED PRODUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

For customer use:
Enter below the Model No. and Serial No. which is located either on the rear, bottom or side of the cabinet.
Retain this information for future reference.

Model No. : _____   Serial No. : _____

Purchase date : _____   Name of dealer : _____

TO OUR VALUED CUSTOMER ————

THANK YOU FOR PURCHASING THIS JVC PRODUCT.

WE WANT TO HELP YOU ACHIEVE A PERFECT EXPERIENCE.

NEED HELP ON HOW TO HOOK UP?
NEED ASSISTANCE ON HOW TO OPERATE?
NEED TO LOCATE A JVC SERVICE CENTER?
LIKE TO PURCHASE ACCESSORIES?

JVC® IS HERE TO HELP!
TOLL FREE: 1(800)252-5722
http://www.jvc.com

Remember to retain your Bill of Sale for Warranty Service.

———— **Do not attempt to service the product yourself** ————

Caution

To prevent electrical shock, do not open the cabinet.
There are no user serviceable parts inside.
Please refer to qualified service personnel for repairs.

Specifications

Model	LT-26X506	LT-32X506
Type	LCD Flat Television	
Reception Format	NTSC, BTSC System (Multi-Channel Sound)	
Reception Range	VHF 2 to 13, UHF 14 to 69 Sub, Mid, Super, Hyper and Ultra bands (180 channel frequency synthesizer system)	
Power Source	AC 120V, 60 Hz	
Power Consumption	124W	186W
Screen Size	26 inch / 65 cm measured diagonally, 16:9 ratio	32 inch / 80 cm measured diagonally, 16:9 ratio
Speakers	6.6 cm round X 2	
Audio Output	Full Range - 5W + 5W	
Antenna Terminal	75 ohms (VHF/UHF) (F-type connector)	
External Input Jacks	Video: 1 Vp-p, 75 ohms Audio: 500 mVrms (-4dBs) high impedance	
Conponent Input Jack	Y: 1Vp-p positive, 75 ohms (negative sync provided) Pb/Pr: 0.7 Vp-p 75 ohms	
S-Video Input Jacks	Y: 1Vp-p positive, 75 ohms (negative sync provided) C: 0.286 Vp-p (burst signal), 75 ohms	
Audio Output Jacks (FIX)	FIX: 500mVrms (-4dBs) Low impedance (1000 Hz when modulated 100%)	
Headphone Jack	Ø 3.5 mm X 1	
Dimensions (inch) W x H x D (cm)	27 1/8 x 20 3/4 x 12 1/4 (With Stand) 68.6 x 52.7 x 30.8 (With Stand)	32 3/8 x 23 7/8 x 12 1/4 (With Stand) 82.0 x 60.4 x 30.8 (With Stand)
	27 1/8 x 18 3/4 x 4 7/8 (Without Stand) 68.6 x 47.4 x 12.2 (Without Stand)	32 3/8 x 21 3/4 x 5 (Without Stand) 82.0 x 55.1 x 12.7 (Without Stand)
Weight (lbs / kg)	35.2 / 16 (With Stand)	44.0 / 20 (With Stand)
	27.5 / 12.5 (Without Stand)	36.3 / 16.5 (Without Stand)
Accessories	Remote control unit / AA batteries X 2	

Specifications subject to change without notice.

Note:

• Reception of channel A-5 ("95" of the TV set's on-screen cable channel numbers) is not recommended for your TV set.

JVC

SCHEMATIC DIAGRAMS

LCD FLAT TELEVISION

LT-26X506/s,
LT-32X506/s

CD-ROM No.SML200507

LT-26X506/S, LT-32X506/S
STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal   : Colour bar signal

(2)Setting positions of
   each knob/button and
   variable resistor   : Original setting position
                       when shipped

(3)Internal resistance of tester : DC 20kΩ/V

(4)Oscilloscope sweeping time : H ⇒ 20μs / div

                          : V ⇒ 5ms / div

                          : Othters ⇒ Sweeping time is
                                        specified

   (5)Voltage values   : All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board   : R209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM
(1)Resistors
● Resistance value

No unit   : [Ω]
K   : [kΩ]
M   : [MΩ]

● Rated allowable power
No indication   : 1/16 [W]
Others   : As specified

● Type
No indication   : Carbon resistor
OMR   : Oxide metal film resistor
MFR   : Metal film resistor
MPR   : Metal plate resistor
UNFR   : Uninflammable resistor
FR   : Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors
● Capacitance value
1 or higher   : [pF]
less than 1   : [μF]

● Withstand voltage
No indication   : DC50[V]
Others   : DC withstand voltage [V]
AC indicated   : AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]: Capacitance value [μF]/withstand voltage[V]

● Type
No indication   : Ceramic capacitor
MM   : Metalized mylar capacitor
PP   : Polypropylene capacitor
MPP   : Metalized polypropylene capacitor
MF   : Metalized film capacitor
TF   : Thin film capacitor
BP   : Bipolar electrolytic capacitor
TAN   : Tantalum capacitor

(3)Coils
No unit   : [μH]
Others   : As specified

(4)Power Supply

━━━━━━━━ : B1   ■■■■ : B2 (12V)

■□■□ : 9V   □□□□ : 5V

∗Respective voltage values are indicated

(5)Test point

: Test point   : Only test point display

(6)Connecting method

▭ : Connector   ○ : Wrapping or soldering

: Receptacle

(7)Ground symbol
⊥ : LIVE side ground
⊥⁄ : ISOLATED(NEUTRAL) side ground
⏚ : EARTH ground
▽ : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⊥⁄) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time.
If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

  NOTE
◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

CONTENTS

USING P.W. BOARD

P.W.B ASS'Y name	LT-26X506/S	LT-32X506/S
MAIN P.W BOARD	xxxxxxxxxx	xxxxxxxxxx
DIGITAL SIGNAL P.W BOARD	xxxxxxxxxx	xxxxxxxxxx
POWER P.W BOARD	xxxxxxxxxx	xxxxxxxxxx
KEY BOARD P.W BOARD	xxxxxxxxxx	xxxxxxxxxx
LED BOARD SW P.W BOARD	xxxxxxxxxx	xxxxxxxxxx

SEMICONDUCTOR SHAPES
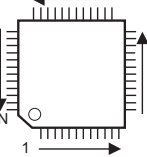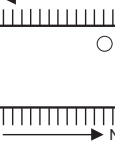
TRANSISTOR

IC

CHIP IC

WIRING DIAGRAM

TOP LCD PANEL UNIT

CN3 CN4 CN2

DIGITAL SIGNAL PWB

LCD PANEL UNIT — CP1012

TOP

CP1008 CP1005 CP1009 CP1014

TOP

MODE
MENU
CH+
CH-
VOL+
VOL-
POWER
J207

TOP

LCD PANEL UNIT

CW1002 CW703 CW501 CW502

CP1802

CP708

CP701

CP705

CP1801

CP602

CP601

CONTROL PWB

CN1 FU1 250V/5A

POWER PWB

POWER CORD

TU401 U/V TUNER

CP706

LED PWB **TOP**

MAIN PWB

SPEAKER (R) SPEAKER (L)

CIRCUIT DIAGRAMS

MAIN PWB CIRCUIT DIAGRAM (1/5)

TO POWER

CW1801
M975CW1801

CP1801
B15B-PH-K-S

1	12V
2	12V
3	12V
4	GND
5	GND → GND
6	GND
7	5V
8	5V
9	5V
10	GND
11	GND → GND
12	GND
13	STB5V
14	GND → GND
15	STB-SW

L1803 MPZ2012S221A
L1804 MPZ2012S221A
L1805 MPZ2012S221A

L1806 MPZ2012S221A
L1807 MPZ2012S221A
L1808 MPZ2012S221A

C1839 16V100u
GND

L1809 MPZ2012S221A M5V0
L1810 MPZ2012S221A TV-PWR

P12V

IC1801 SI-8033JF
L1802 TSL1112RA-101K1R4-PF P3V3

C1809 16V2200u
D1804 RK16
C1806 6.3V560uKZE
GND
C1808 100n

IC1802 VOID
L1801 VOID
P5V0
C1807 VOID

C1803 VOID
D1803 VOID
GND
C1805 VOID

JP1801 JP

LCD5V0

TO DIGITAL

CW1002
M975CW1002

12	P12V
11	GND ←
10	P5V0 → L1840 ELC0607RA-330KR92-PF
9	
8	P3V3
7	
6	
5	GND ←
4	PNL-PWR
3	
2	M5V0
1	

TO POWER

CW1802
M975CW1802

CP1802
B4B-PH-K-S

1	24V
2	
3	
4	SGND

SGND → FB1801 JP → GND

L1830 ELC0607RA-331KR29-PF

P30V

R1832 180 — Dr-C SW-C
R183 12 — Ipk SW-E
R1830 QW1R0 — Vcc TC
C1830 25V100u
Comp GND
IC1803 MC34063AD

D1831 1SS355
R1836 1K0
5mA
C1831 270p
C1832 50V2u2
D1832 UDZ18B
C1833 50V2u2
R1835 10K

GND ← R1833 1K2 R1834 330

IC1805 BA17809T
R1837 HW47
C1834 16V100u
C1835 16V47u
GND

P9V0

IC1806 BA17805T
C1840 16V47u
C1841 16V47u
GND
TU5V0

L1820 VOID
C1836 VOID
C1837 VOID
C1838 VOID
GND

CP1803
1
2
VOID
GND

MAIN PWB CIRCUIT DIAGRAM (5/5)

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (1/4)
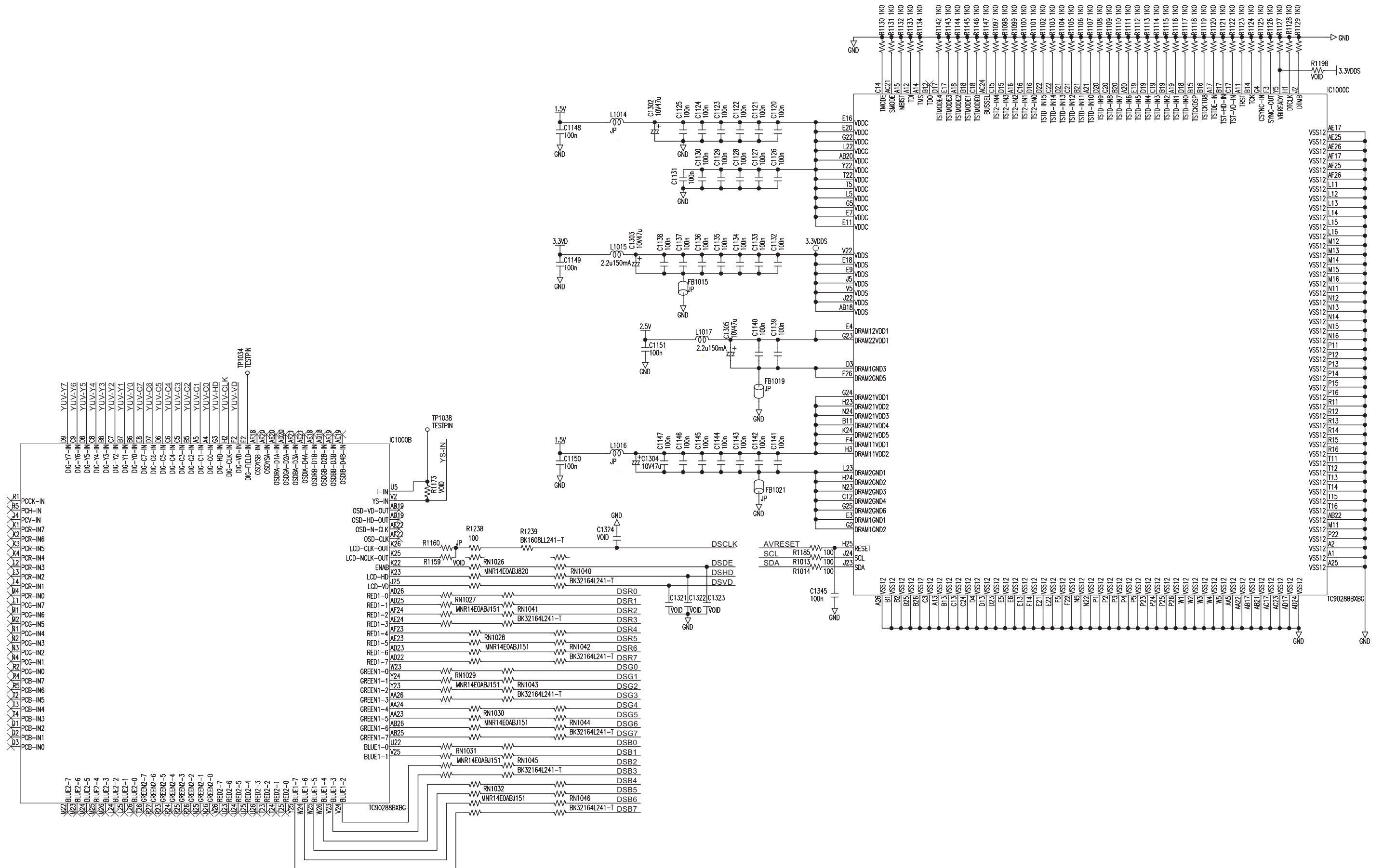
POWER PWB CIRCUIT DIAGRAM (1/3) [LT-26X506/S]
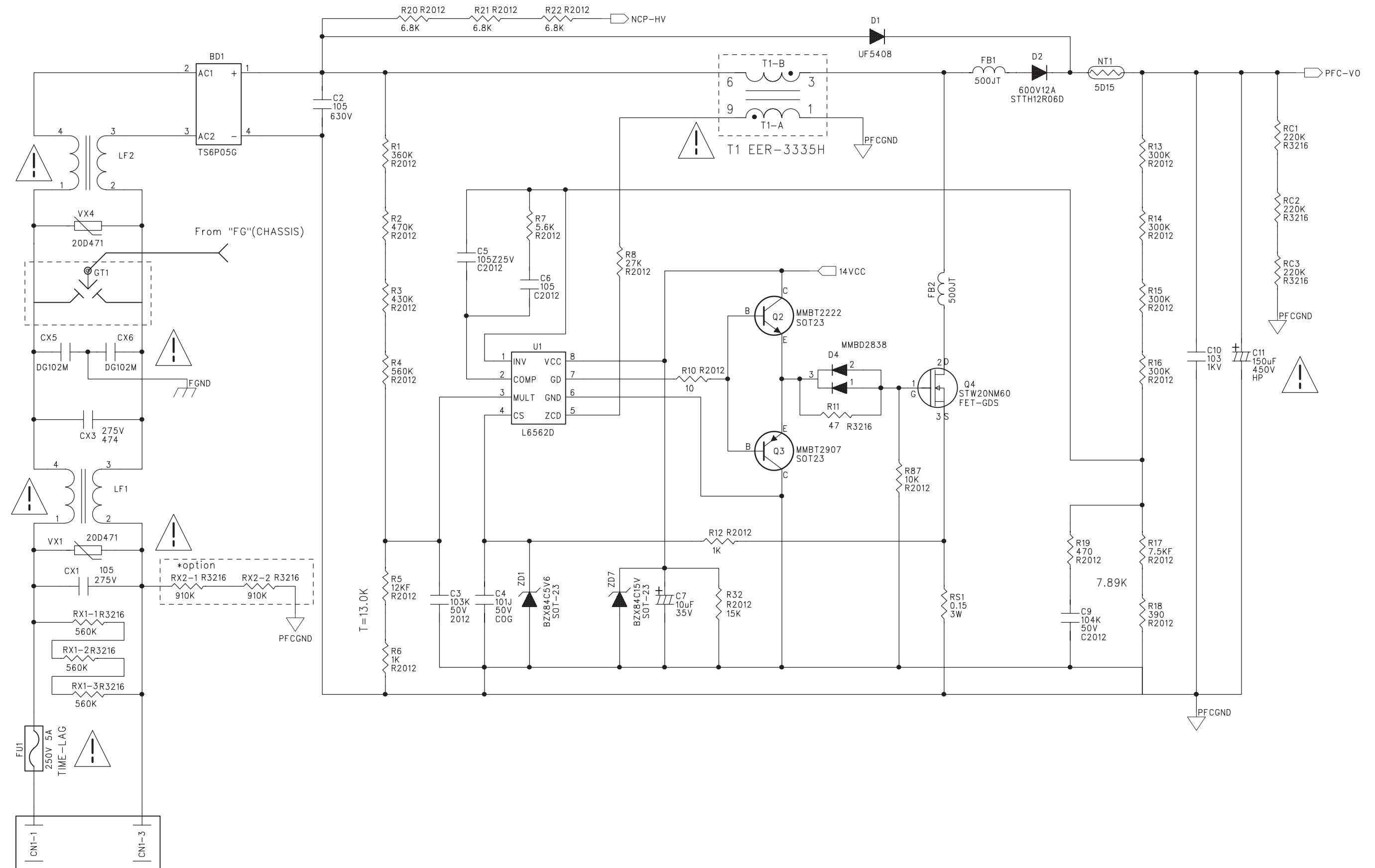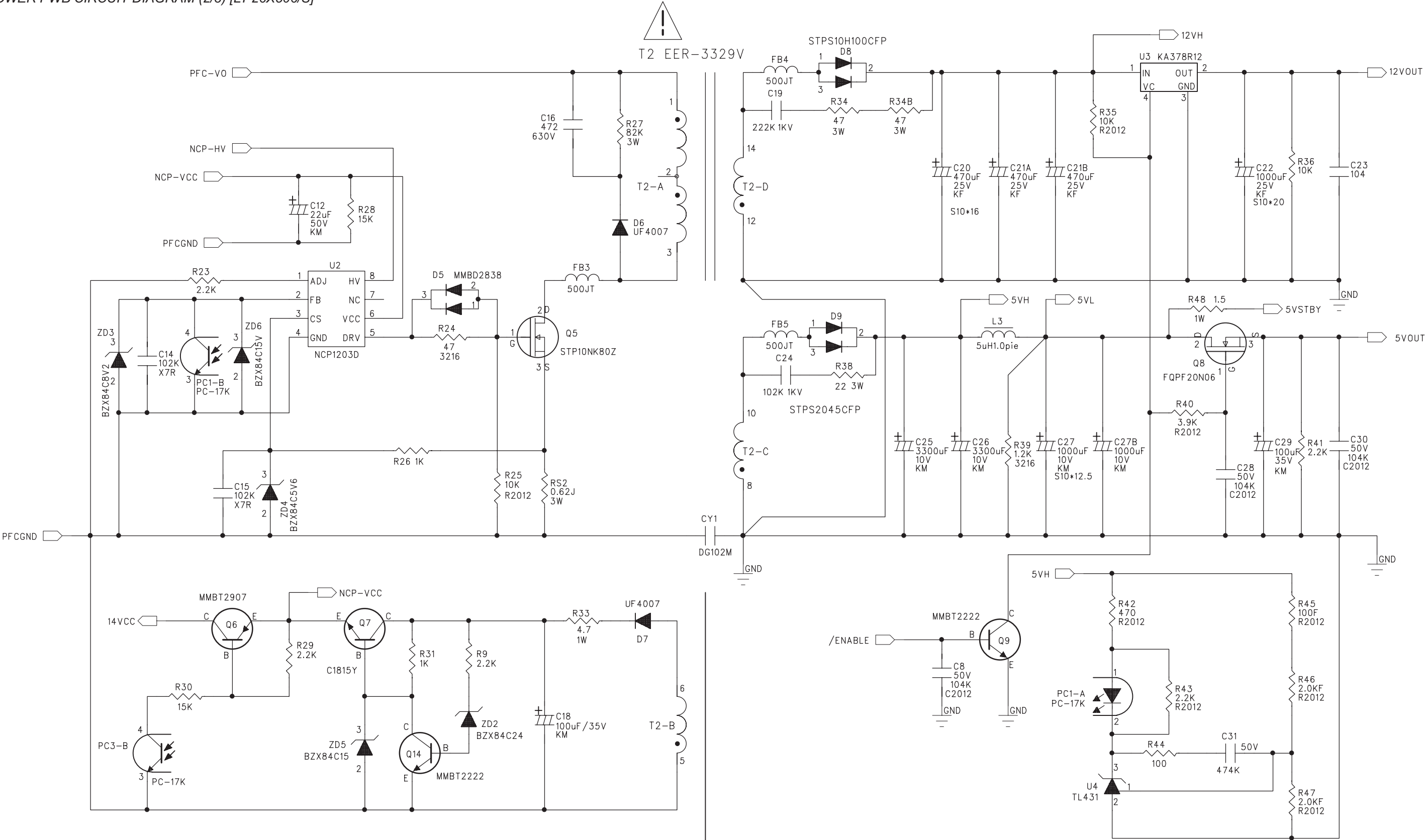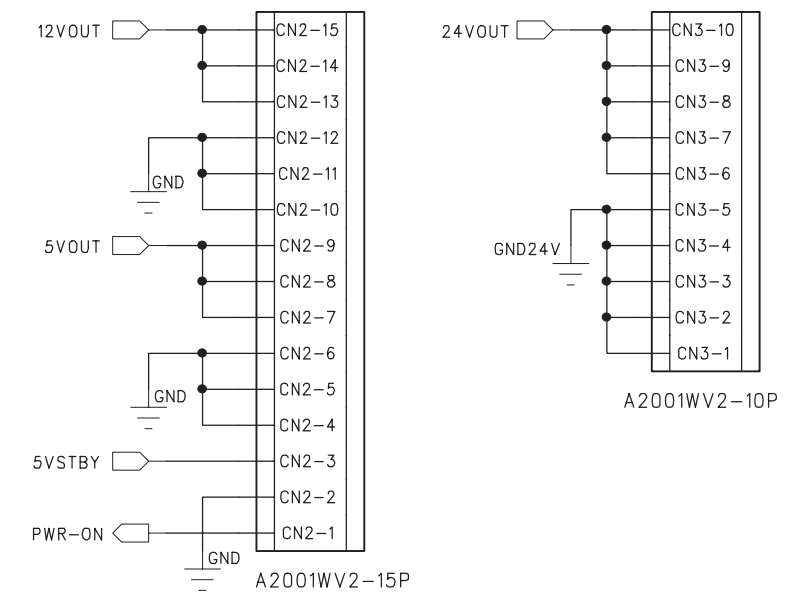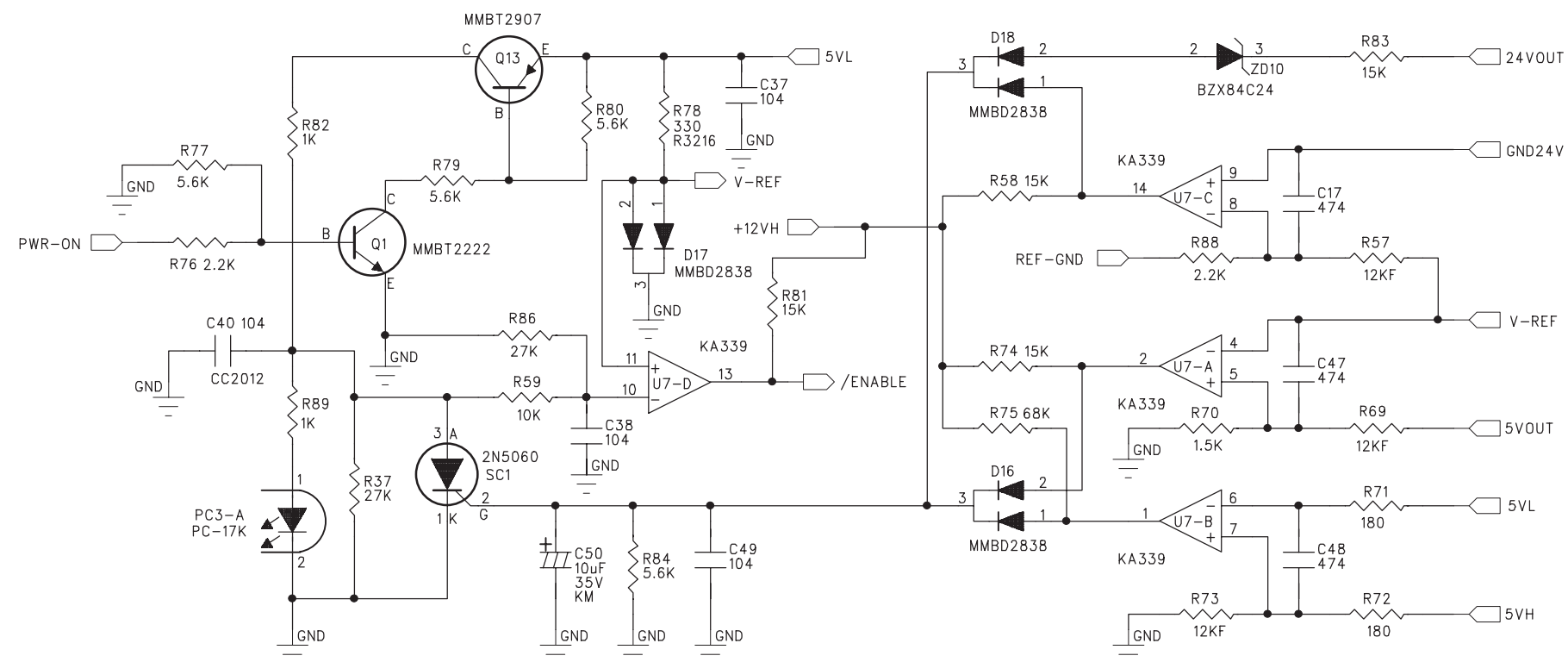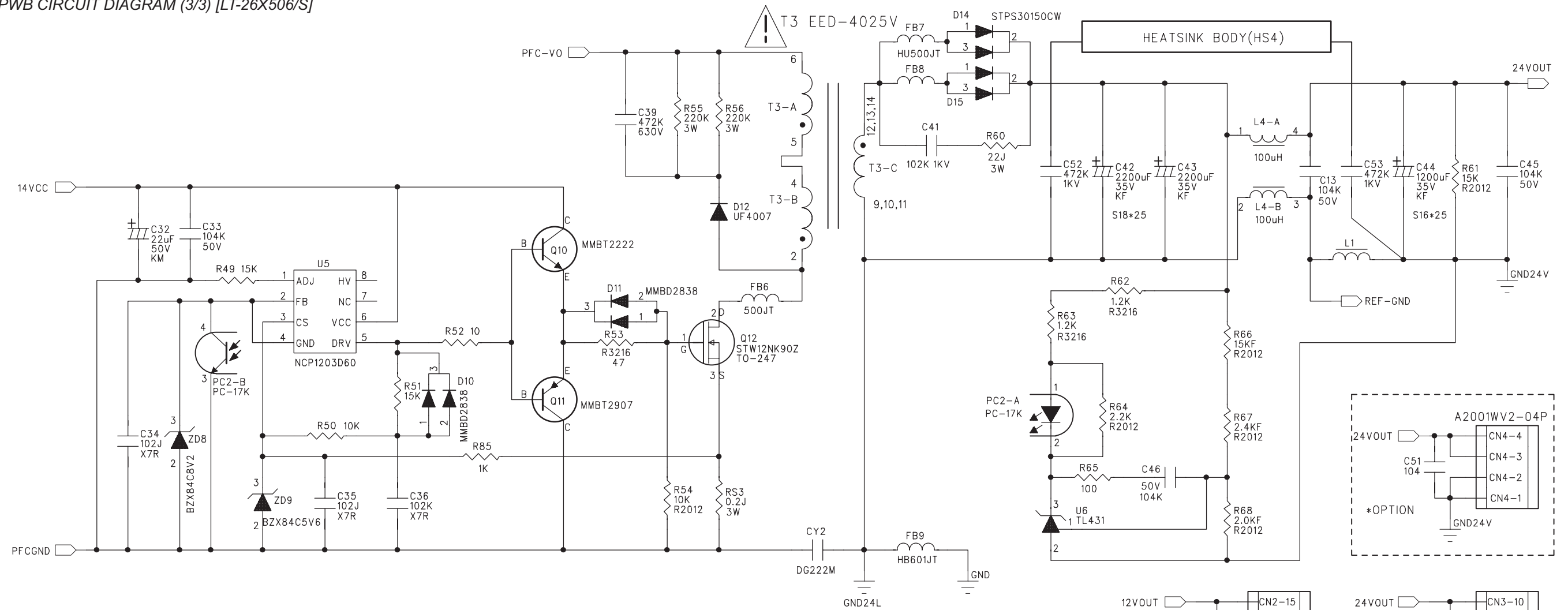
POWER PWB CIRCUIT DIAGRAM (1/3) [LT-32X506/S]

POWER PWB CIRCUIT DIAGRAM (3/3) [LT-32X506/S]
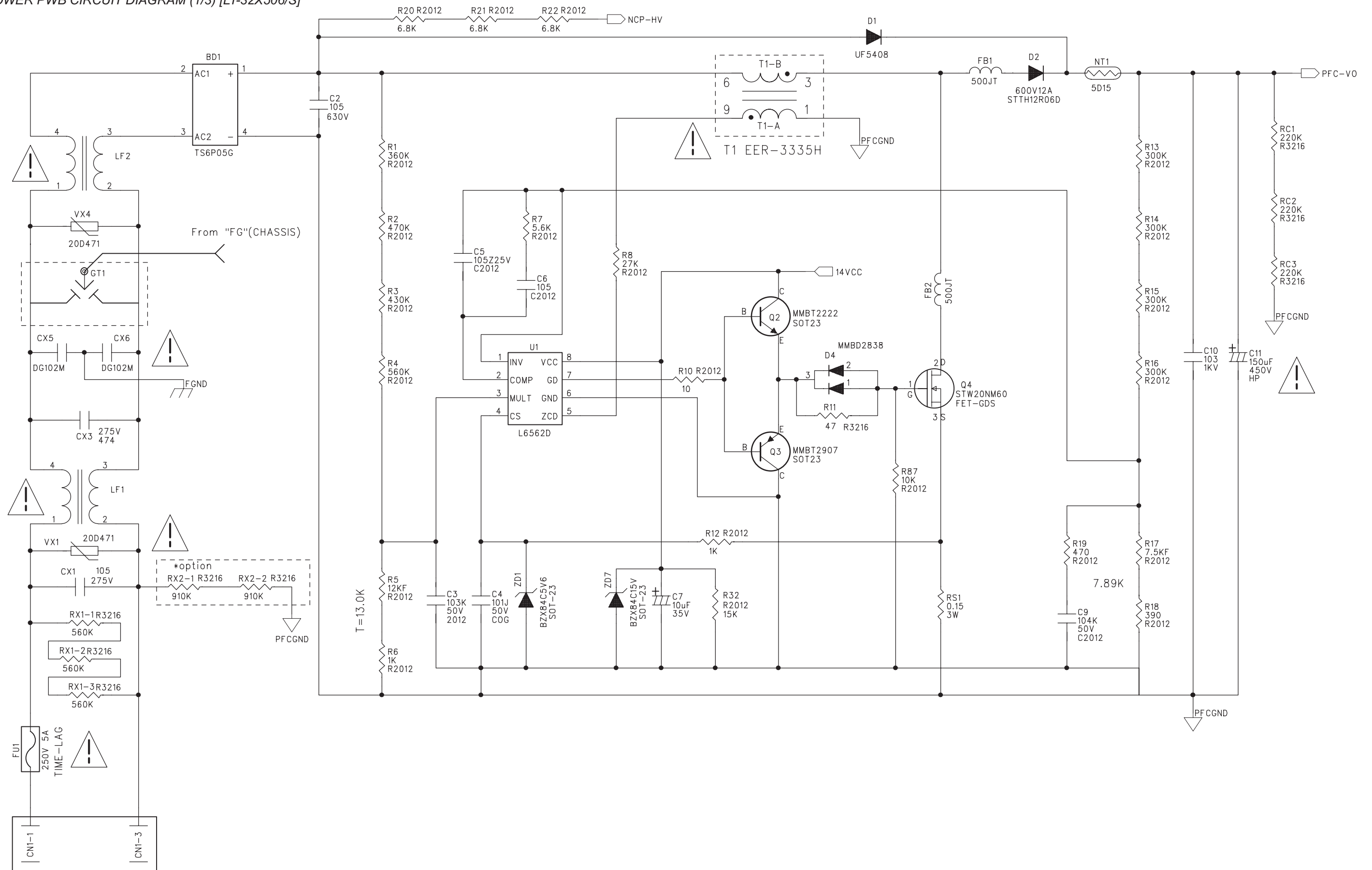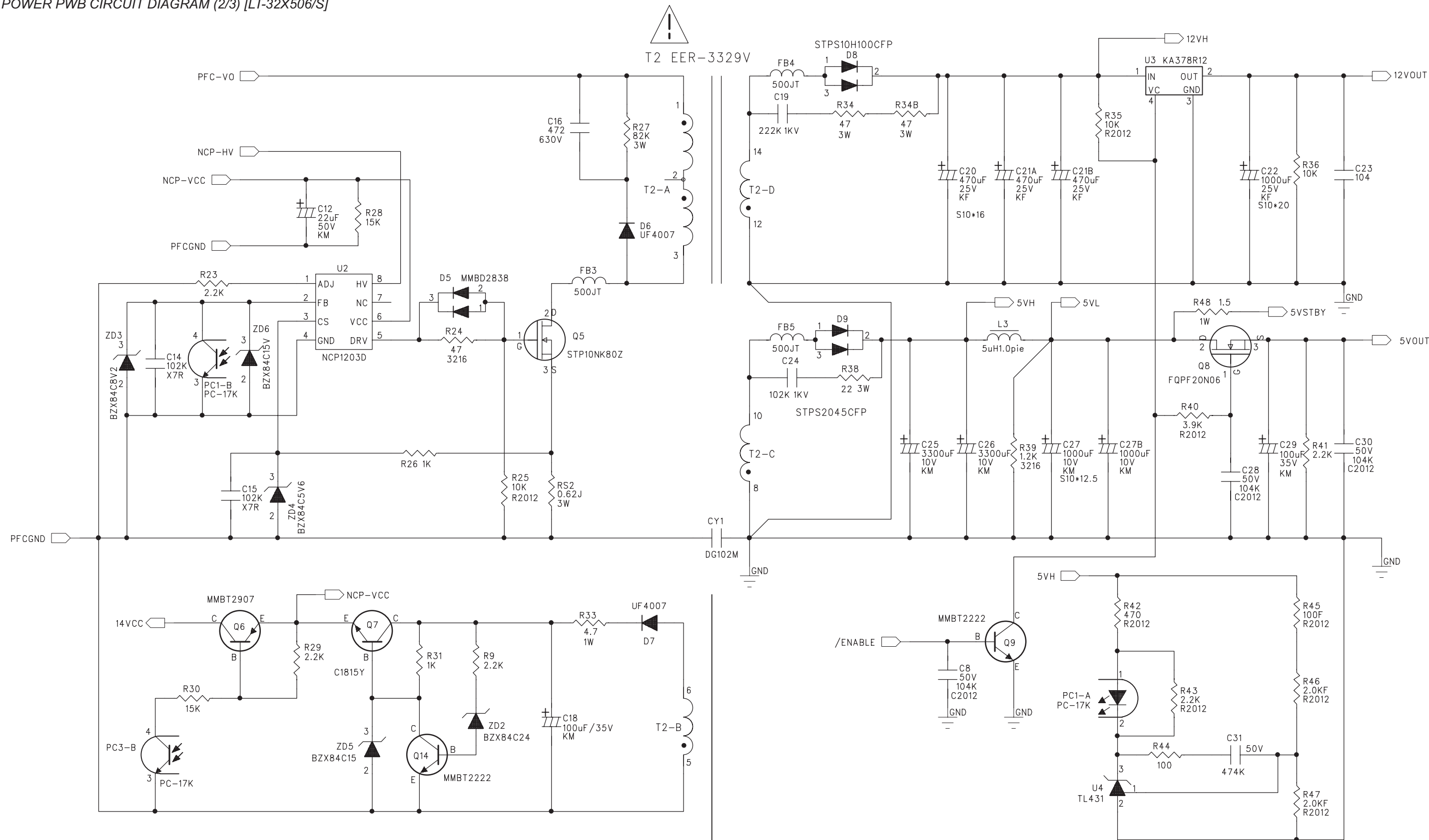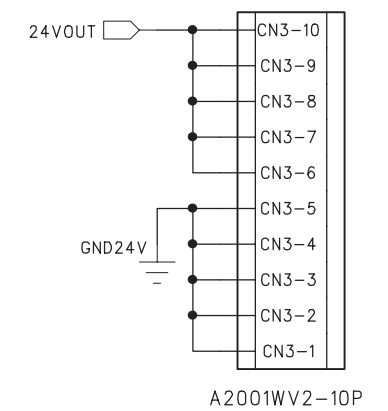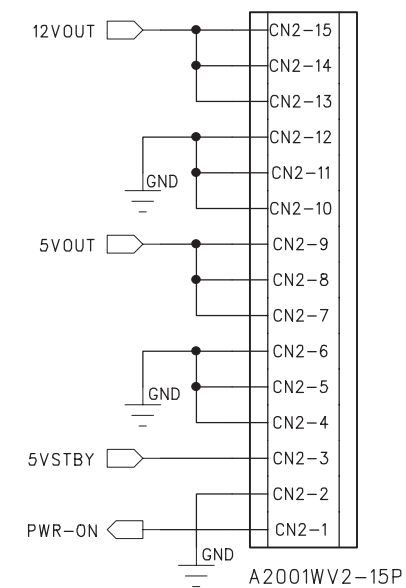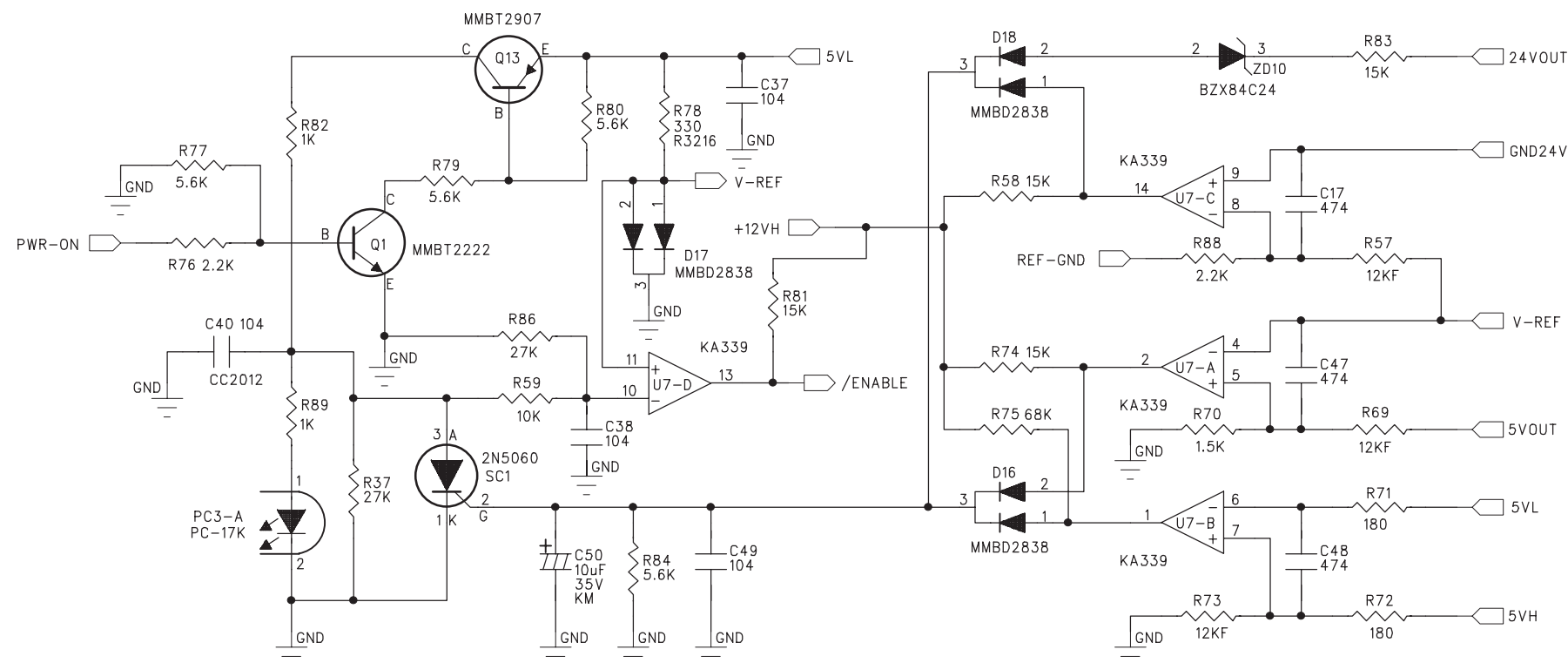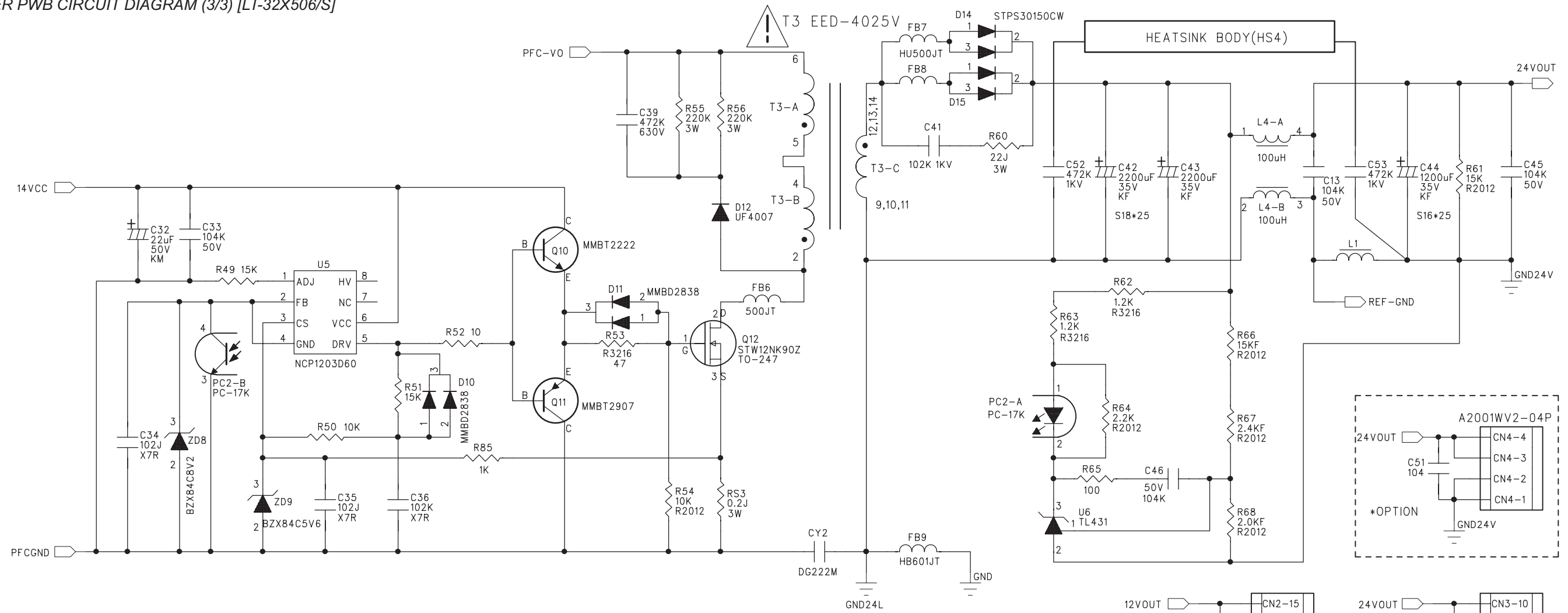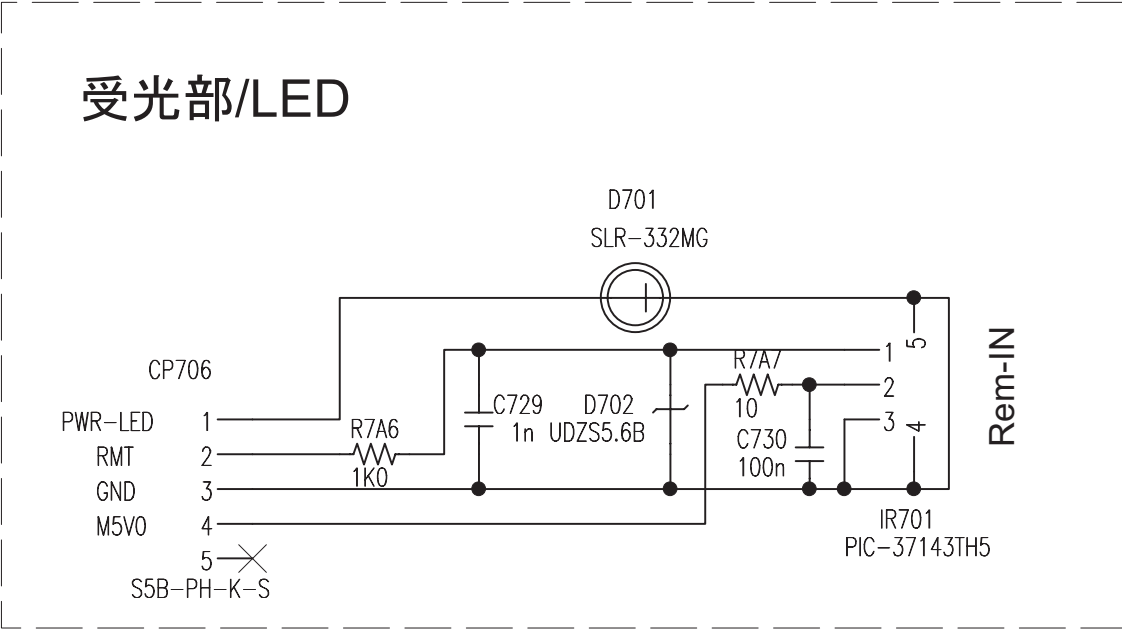
LED PWB CIRCUIT DIAGRAM

SWITCH PWB CIRCUIT DIAGRAM

受光部/LED

D701
SLR-332MG

CP706

PWR-LED 1
RMT 2
GND 3
M5V0 4
5
S5B-PH-K-S

R7A6
1K0

C729
1n

D702
UDZS5.6B

R7A7
10

C730
100n

1
2
3 4
5

Rem-IN

IR701
PIC-37143TH5

R293
33

L226
MPZ2012S221A

L227
MPZ2012S221A

J209
HP_DET 1
HP_⊥ 2
HP_R 3
HP_GND 4
KEY2 5
KEY1 6
GND 7
B7B-PH-K-S

ZD228
UDZS5.6B

ZD229
UDZS5.6B

D201
UDZS5.6B

C246
3n3

C247
3n3

L240
MPZ2012S221A

J207

R

L

CK35-10

MENU
R-K097110R
S203

TV/AV
R-K097110R
S202

POWER SW
R-K097110R
S201

R206
680

R205
1K2

CH UP
R-K097110R
S207

CH DOWN
R-K097110R
S206

VOL UP
R-K097110R
S205

VOL DOWN
R-K097110R
S204

R209
680

R208
1K2

R207
2K2

PATTERN DIAGRAMS

MAIN PWB PATTERN [SOLDER SIDE]
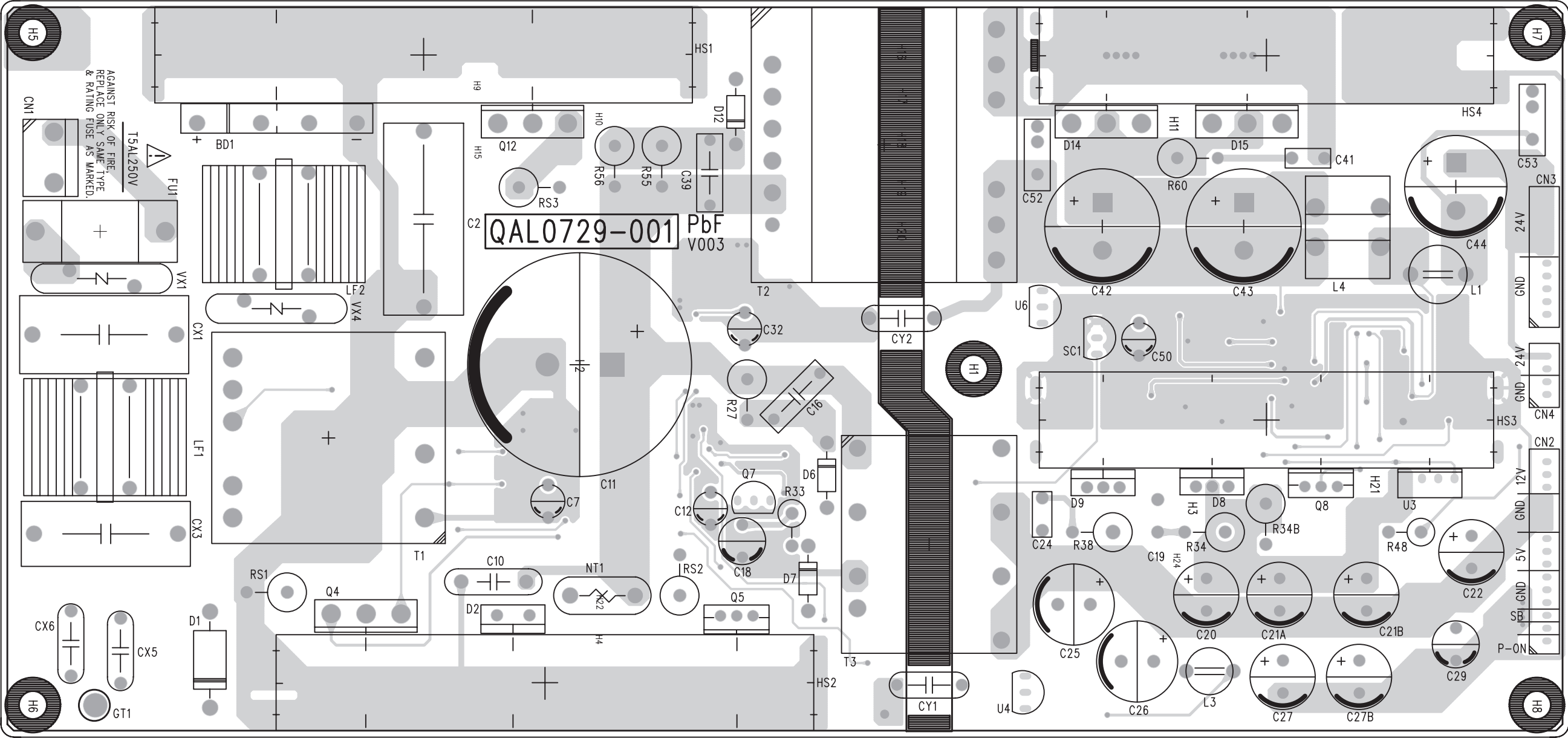
M975D2

NAKANO M975D2
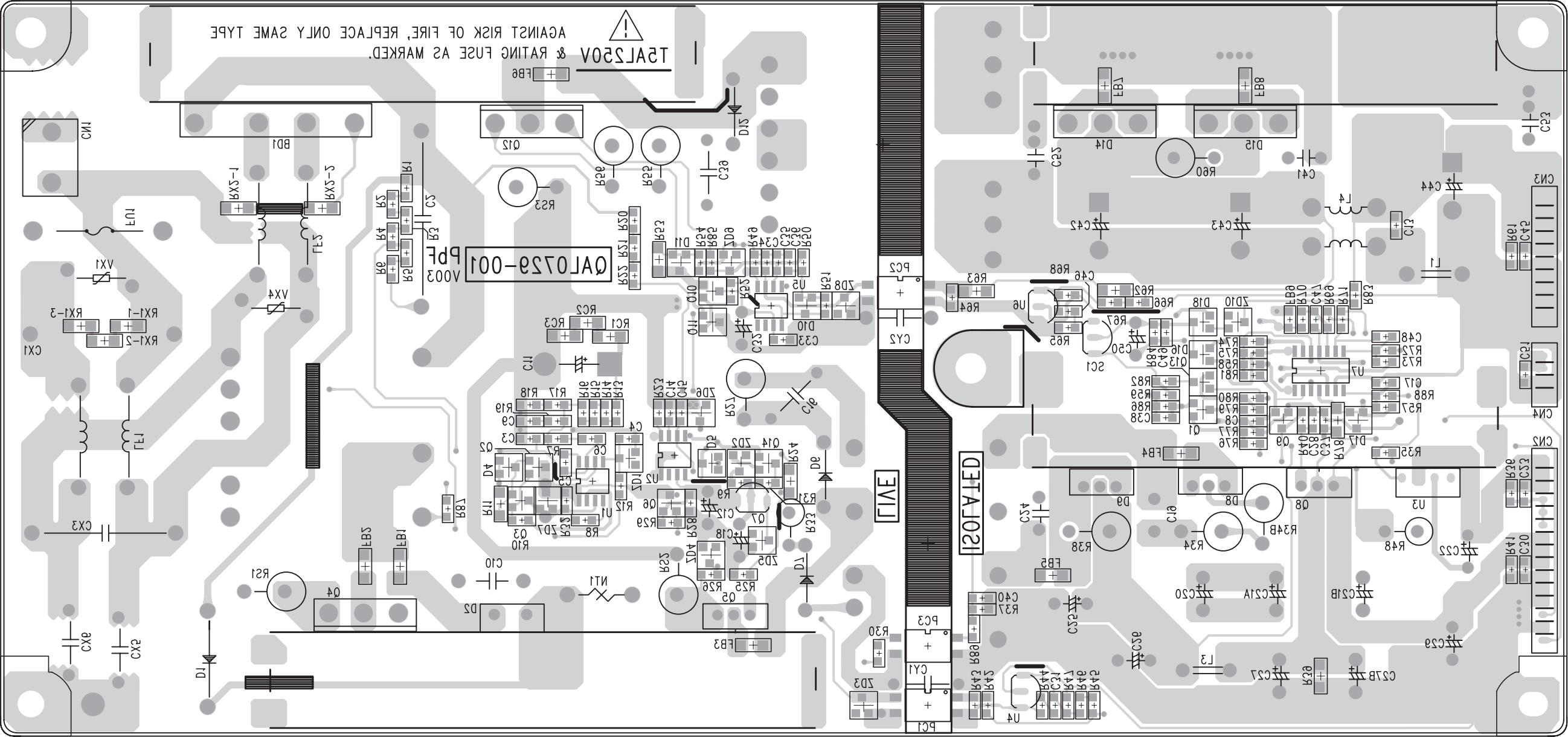
FORCE2 Episode 2

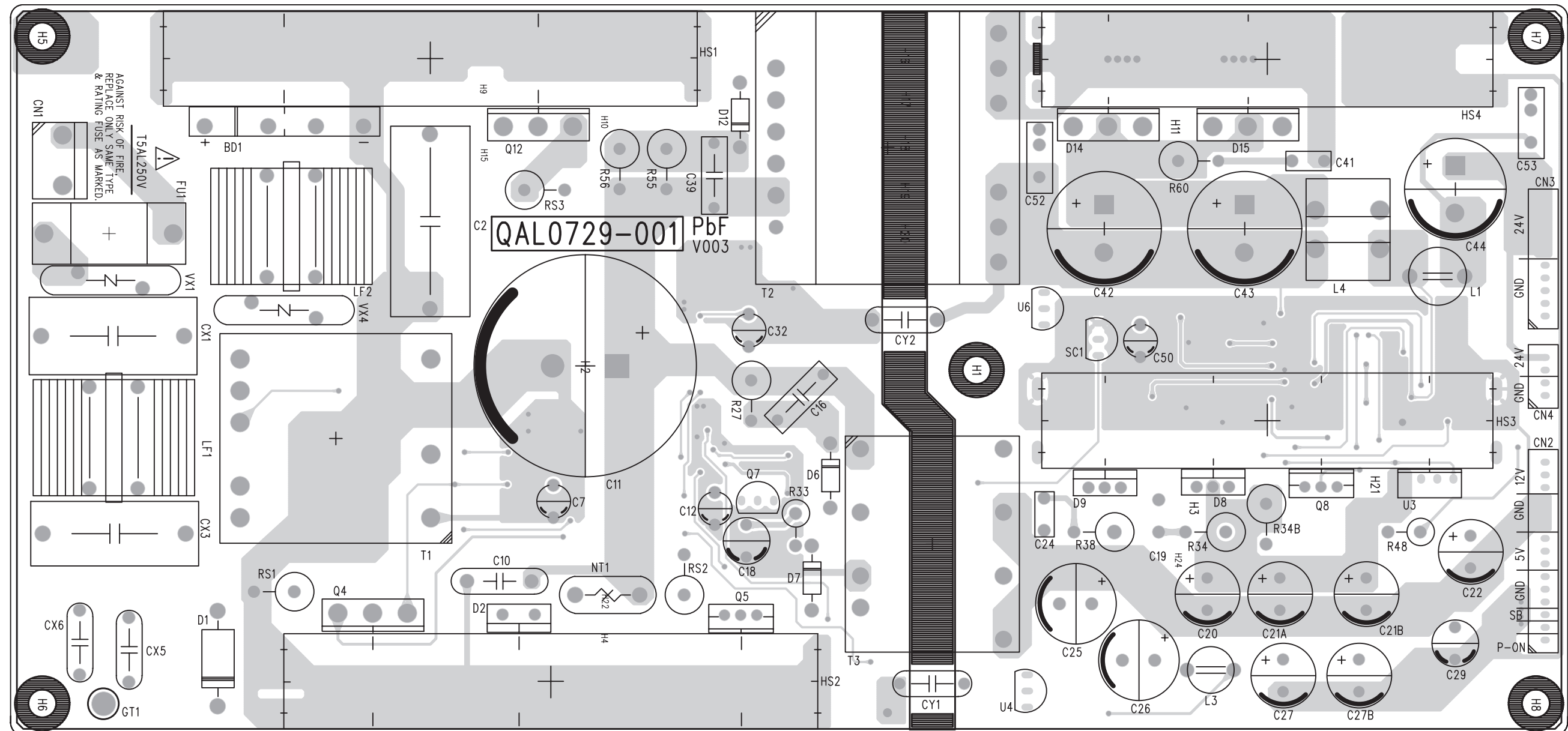*POWER PWB PATTERN [LT-26X506/S]*
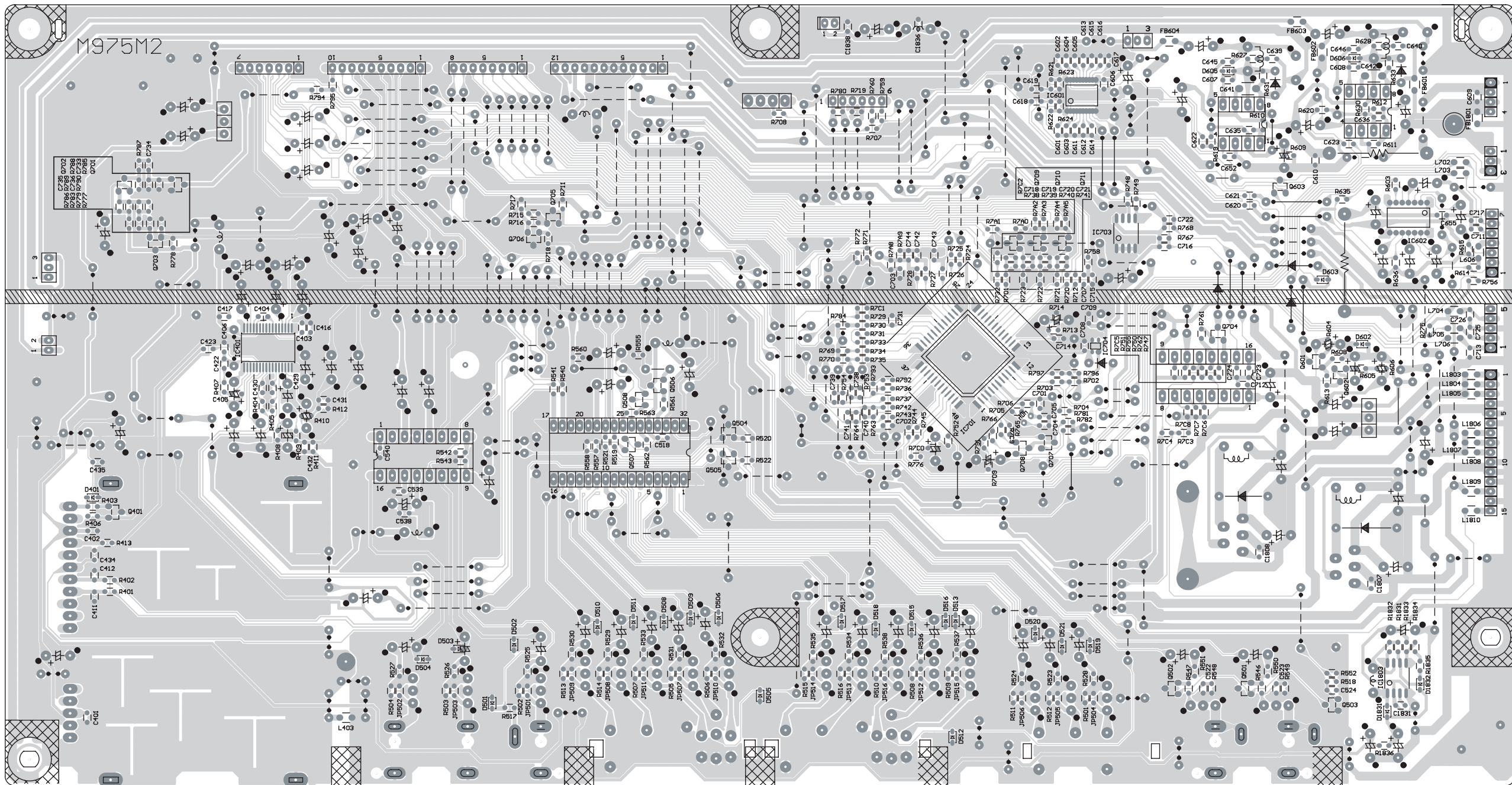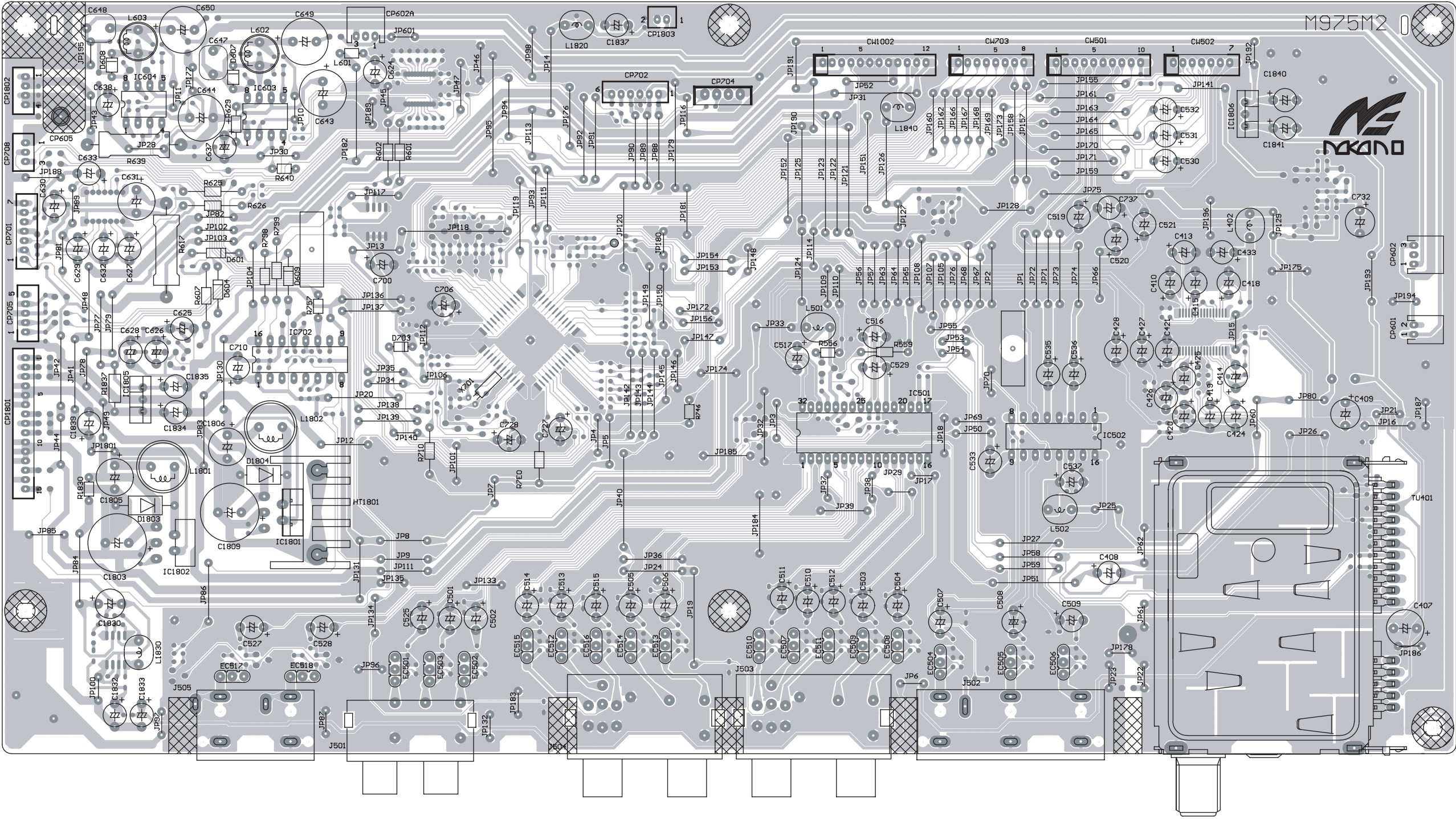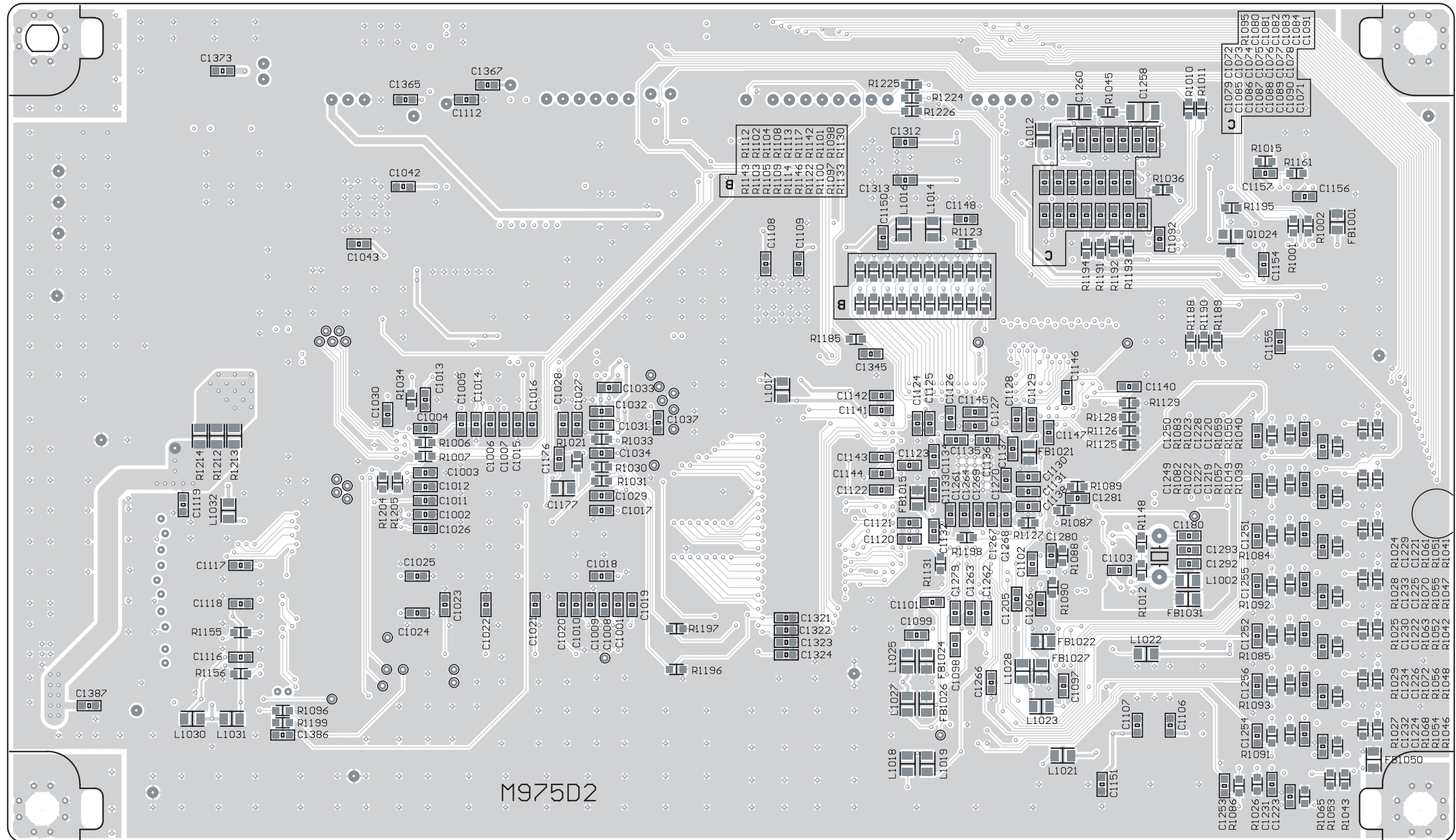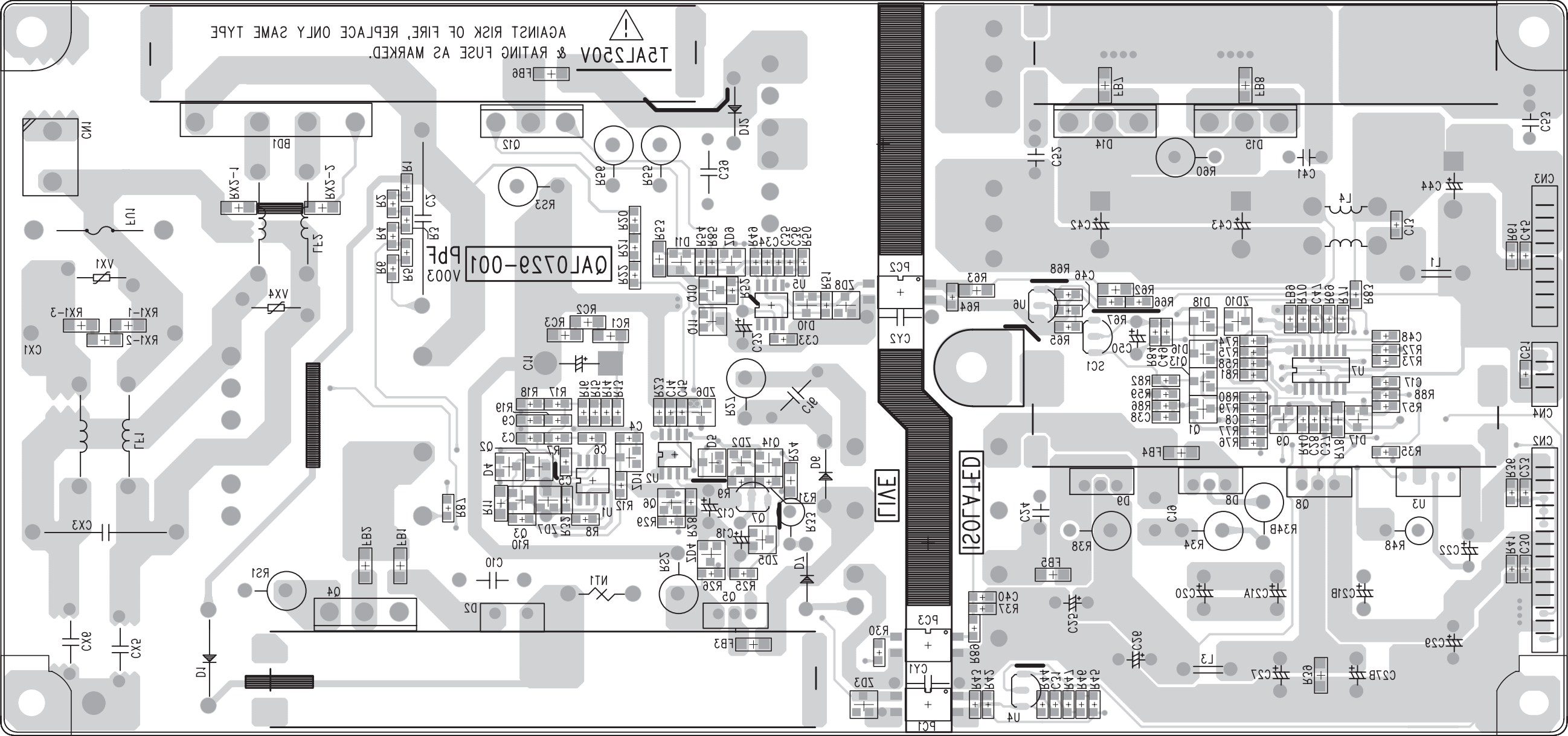
[SOLDER SIDE]

[PARTS SIDE]

[SOLDER SIDE]

[PARTS SIDE]

LED BOARD PWB PATTERN [SOLDER SIDE]

R7A6
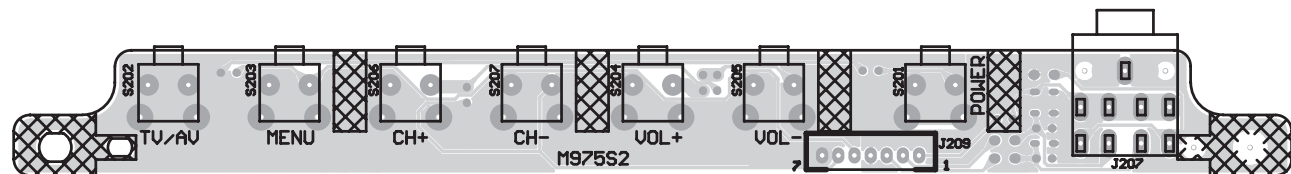R7A7
C730
C729
D702

M975L2

LED BOARD PWB PATTERN [PARTS SIDE]

D701

CP706

M975L2

IR701
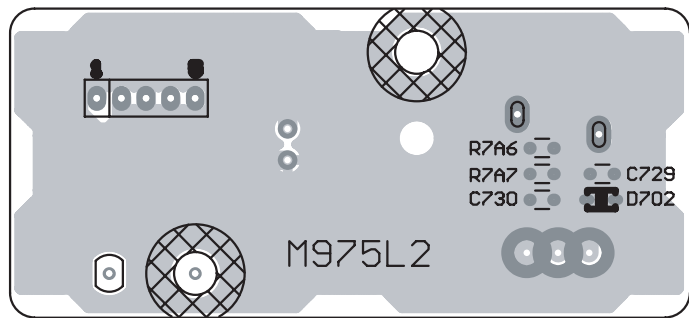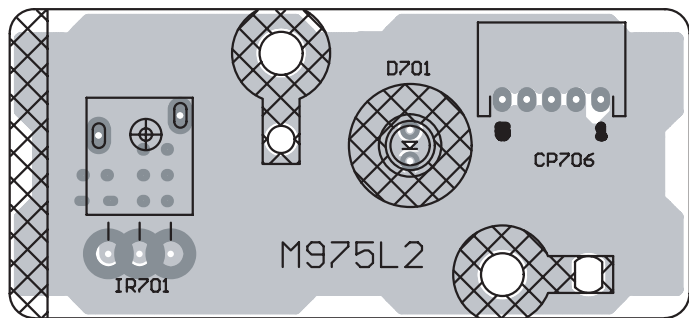
SWITCH PWB PATTERN [SOLDER SIDE]

R205
R208
R209
R206
R207
L240
L201
L226
L227
Z0228 Z0229
C246 C247

1 7

M975S2
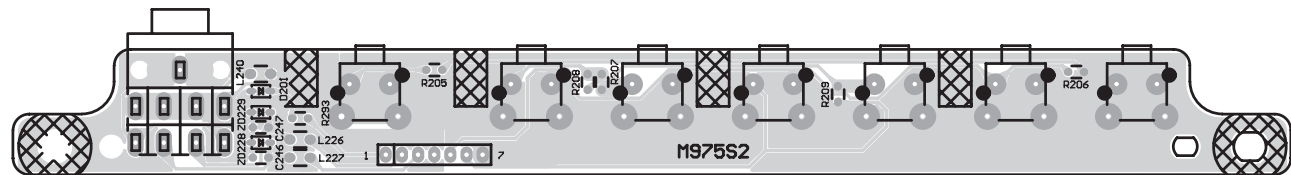
SWITCH BOARD PWB PATTERN [PARTS SIDE]

S202 S203 S208 S207 S204 S205 S201 POWER

TV/AV MENU CH+ CH- VOL+ VOL-

M975S2

J209

J207

7 1

PARTS LIST

Preliminary

CAUTION

■ The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.

■ The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.

■ P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	LT-26X506/S	LT-32X506/S
MAIN P.W.B	QAL0753-001	←
DIGITAL P.W.B	QAL0754-001	QAL0755-001
POWER P.W.B	QAL0756-001	QAL0757-001
LED P.W.B	QAL0758-001	←
KEY P.W.B	QAL0759-001	←
REMOTE CONTROL UNIT	RM-C1271G-1H	←

EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	101	LC12405-001A-A	TERMINAL COVER		
	102	CM48269-001-A	NOM LABEL		
⚠	103	LC32830-001A-A	RATING LABEL		
⚠	104	GQ20001-001A-A	RATING LABEL		
⚠	105	LC12404-001A-A	REAR COVER		LT-26X506/S
⚠	105	LC12439-001A-A	REAR COVER		LT-32X506/S
	106	QYSBSF4012ZA	TAP SCREW	M4 x 12mm(x8)	
	107	LC42063-001A	SCREW		
	108	LC42063-001A	SCREW	(x2)	
	109	LC42296-001B-C	STAND ASSY		
	109A	T0120-01	STAND COVER		
	109B	T0014-03	CABLE COVER		
⚠	110	GQ40049-001A-A	ENERGY STICKER		
	111	LC42002-002B-C	STAND SHEET		
⚠	112	QMPD460-170-JC	POWER CORD(US/CA)	1.7m BLACK	
	113	LC21912-001A-A	KNOB BASE		
	114	LC33199-001A-A	CONTROL KNOB		
⚠	115	LC12406-001A-A	TERMINAL BASE		
⚠	116	QLD0370-001-JIM	LCD PANEL UNIT		LT-26X506/S
⚠	116	QLD0371-001-JIM	LCD PANEL UNIT		LT-32X506/S
	117	LC42239-001A-C	SPEAKER ASSY	LEFT	LT-26X506/S
	117	LC42239-003A-C	SPEAKER ASSY	LEFT	LT-32X506/S
	118	LC42239-002A-C	SPEAKER ASSY	RIGHT	LT-26X506/S
	118	LC42239-004A-C	SPEAKER ASSY	RIGHT	LT-32X506/S
	119	LC40226-002A-A	SPACER	(x6)	LT-26X506/S
	119	LC40226-003A-H	SPACER	(x6)	LT-32X506/S
	120	WJW0028-001A-E	E-TWISTED ASSY		LT-26X506/S
	120	WJW0028-002A-E	E-TWISTED ASSY		LT-32X506/S
	121	QYSBSF3010Z	TAP SCREW	M3 x 10mm	
	122	LC42301-001A	SCREW	(x4)	
⚠	123	QQR0491-002	FERRITE CORE		
	124	LC42247-003A	LED PLATE		
	125	QQR0490-001	NOISE FILTER		
⚠	126	LC12452-001A-A	FRONT PANEL ASSY		LT-26X506/S
⚠	126	LC12453-001A-A	FRONT PANEL ASSY		LT-32X506/S
	127	QYSPSPD3008ZA	SCREW	M3 x 8mm(x2)	
	128	QYSPSPD5016MA	SCREW	M5 x 16mm(x4)	
⚠	201	QAL0756-001	POWER PWB		LT-26X506/S
⚠	201	QAL0757-001	POWER PWB		LT-32X506/S
⚠	202	QAL0754-001	DIGITAL PWB		LT-26X506/S
⚠	202	QAL0755-001	DIGITAL PWB		LT-32X506/S
⚠	203	QAL0753-001	MAIN PWB		
⚠	204	QAL0759-001	KEY PWB		
⚠	205	QAL0758-001	LED PWB		

EXPLODED VIEW

POWER PWB SHIELD

BACK BRACKET

MAIN BASE

INSULATOR

TOP FRAME

BOTTOM FRAME

**This exploded view shows the LT-26X506.
LT-32X506 has almost similar parts locations.**
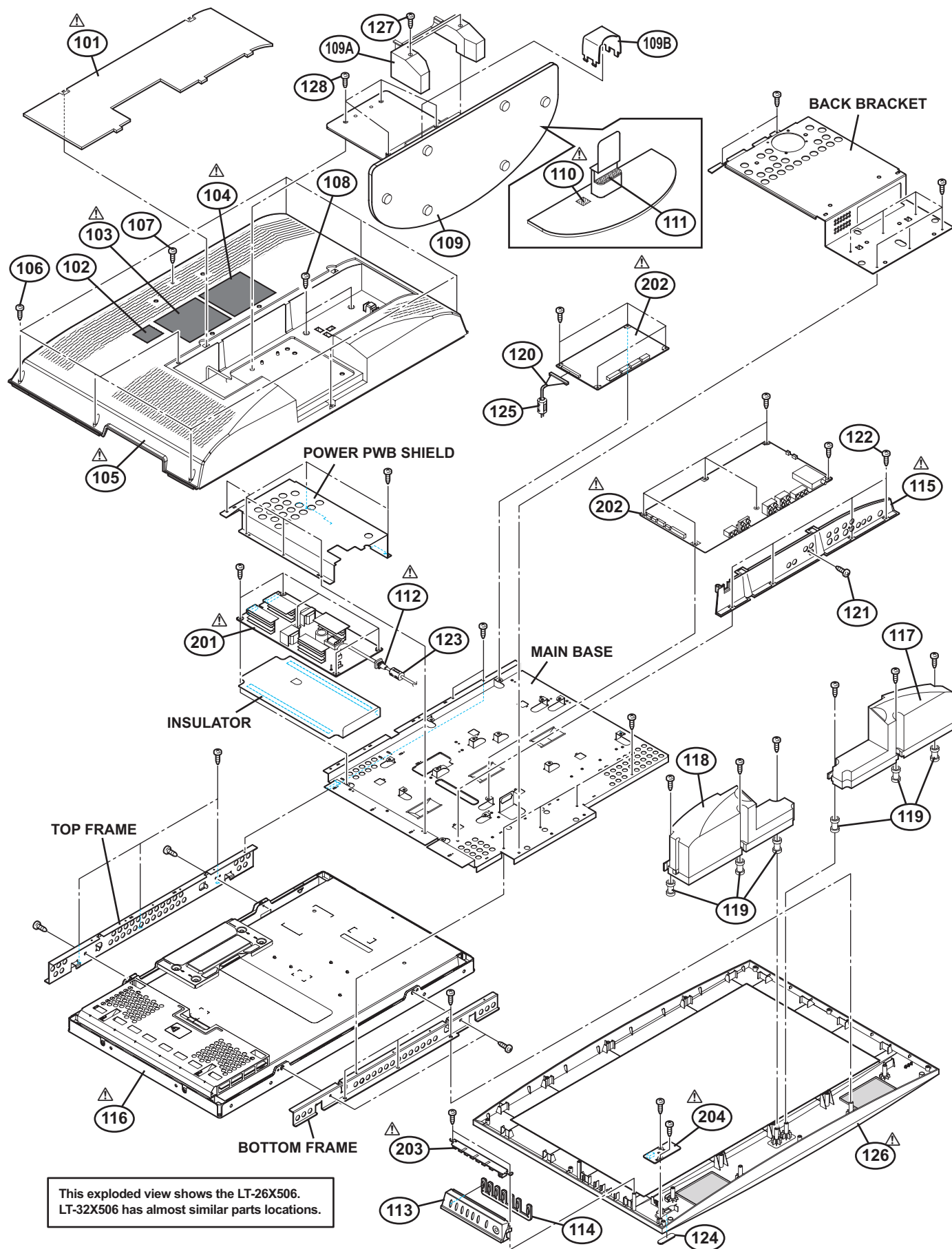
PRINTED WIRING BOARD PARTS LIST [LT-26X506/S]

MAIN P.W. BOARD ASS'Y (QAL0753-001)

⚠Ref No.	Part No.	Part Name	Description	Local

KEY P.W. BOARD ASS'Y (QAL0759-001)

⚠Ref No.	Part No.	Part Name	Description	Local

DIGITAL P.W. BOARD ASS'Y (QAL0754-001)

⚠Ref No.	Part No.	Part Name	Description	Local

LED P.W. BOARD ASS'Y (QAL0758-001)

⚠Ref No.	Part No.	Part Name	Description	Local

POWER P.W. BOARD ASS'Y (QAL0756-001)

⚠Ref No.	Part No.	Part Name	Description	Local

PRINTED WIRING BOARD PARTS LIST [LT-32X506/S]

MAIN P.W. BOARD ASS'Y (QAL0753-001)

REFER TO PARTS LIST IN PAGE 3-5 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (QAL0757-001)

⚠Ref No.	Part No.	Part Name	Description	Local

DIGITAL P.W. BOARD ASS'Y (QAL0755-001)

⚠Ref No.	Part No.	Part Name	Description	Local

KEY P.W. BOARD ASS'Y (QAL0759-001)

REFER TO PARTS LIST IN PAGE 3-5 FOR THIS P.W. BOARD.

LED P.W. BOARD ASS'Y (QAL0758-001)

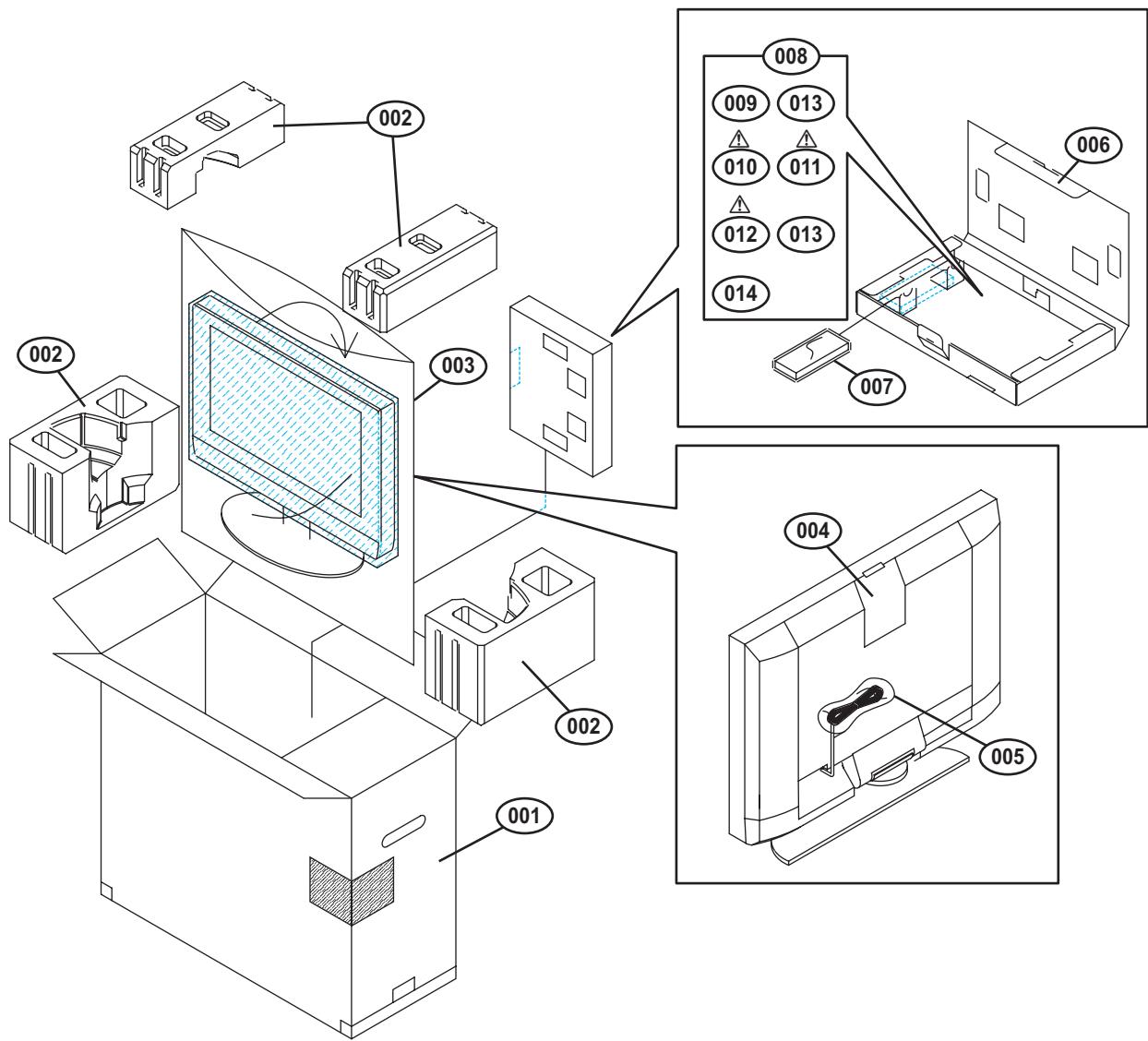REFER TO PARTS LIST IN PAGE 3-5 FOR THIS P.W. BOARD.

REMOTE CONTROL UNIT PARTS LIST (RM-C1271G-1H)

⚠ Ref.No.	Part No.	Part Name	Description	Local
	UR77EC0603	BATTERY COVER		

PACKING

PACKING PARTS LIST

⚠ Ref.No.	Part No.	Part Name	Description	Local
001	LC10181-047A-A	PACKING CASE		LT-26X506/S
001	LC10181-048A-A	PACKING CASE		LT-32X506/S
002	LC12417-001A-A	CUSION ASSY	4pcs in 1set	LT-26X506/S
002	LC12421-001A-A	CUSION ASSY	4pcs in 1set	LT-32X506/S
003	GG30097-003A-H	POLY BAG		
004	LCT1831-001A-A	INST SHEET	English/French/Spanish	
005	QPA01002305	POLY BAG	10cm x 23cm	
006	LC21927-001B-A	ACCESSORY BOX		
007	RM-C1271G-1H	REMOCON		
008	QPA02503505P	POLY BAG	25cm x 35cm	
009	------------	WARRANTY CARD	BT-52006-2Q	
⚠ 010	LCT1899-001A-A	INST BOOK	English	
⚠ 011	LCT1900-001A-A	INST BOOK	French	
⚠ 012	LCT1901-001A-A	INST BOOK	Spanish	
013	BT-51034-2Q	REGIST. CARD		
014	------------	BATTERY	R6P/AA(x2)	